

SUPPLEMENT

TO THE

THIRTY-FIFTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND
FISHERIES, BEING PARTLY FOR THE FISCAL YEAR ENDED JUNE 30
1902, AND PARTLY FOR THE CALENDAR YEAR 1902

MARINE

REPORTS

OF THE

HARBOUR COMMISSIONERS

FOR

TORONTO, MONTREAL, QUEBEC, THREE RIVERS, BELLEVILLE, NORTH SYDNEY AND PICTOU

THE PILOTAGE AUTHORITIES,

THE HARBOUR AND SHIPPING MASTERS, CERTAIN PORT WARDENS, TOGETHER
WITH STATEMENT OF WRECKS AND CASUALTIES.

CHIEFLY UP TO THE

31st DAY OF DECEMBER, 1902

PRINTED BY ORDER OF PARLIAMENT



OTTAWA

PRINTED BY S. E. DAWSON, PRINTER TO THE KING'S MOST
EXCELLENT MAJESTY

1903

SUPPLEMENT

THE REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE
FOR THE YEAR 1902

MAINTENANCE

REPORTS

HARBOUR COMMISSIONERS

TORONTO, MONTREAL, QUEBEC, THREE RIVERS, SHERBROOKE, NORTH SYDNEY AND FORT

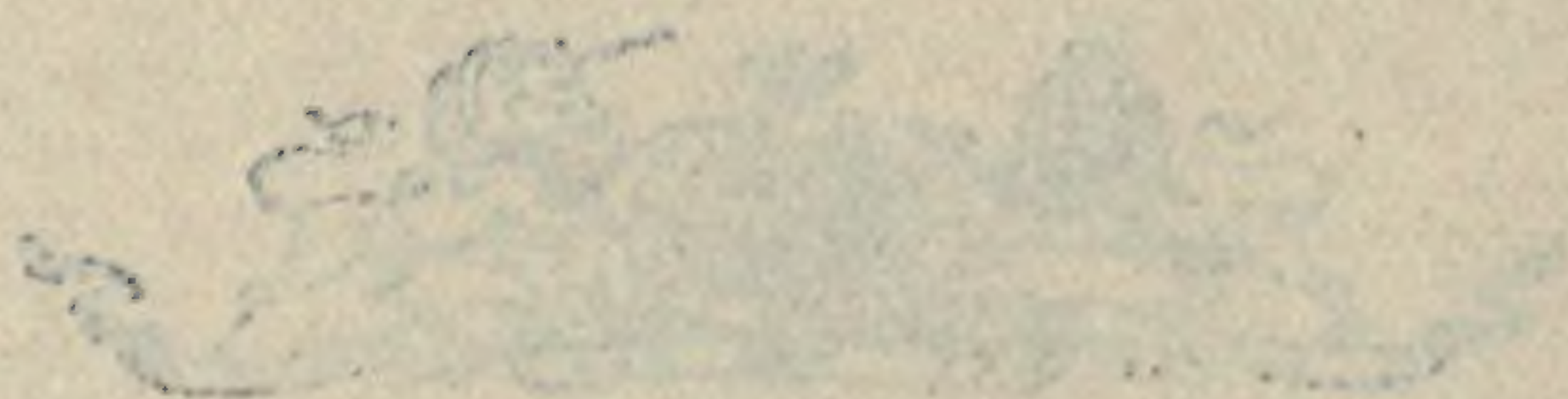
THE PARLIAMENT OF CANADA

PRINTED BY THE QUEEN'S PRINTER, TORONTO

1903

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OTTAWA

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1903

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1903-1904

OTTAWA, November, 1903.

Hon. RAYMOND PRÉFONTAINE,
Minister of Marine and Fisheries.

SIR,—I have the honour to submit herewith the Supplement to the thirty-fifth Annual Report of the Marine Branch of the Department of Marine and Fisheries, being for the year 1902, containing a statement of merchant shipping, wrecks and casualties ; list of certificates granted to masters and mates ; the reports of the harbour commissioners of Toronto, Belleville, Montreal, Quebec, Three Rivers and North Sydney ; list of harbour masters ; reports of harbour masters generally ; reports of pilotage commissioners ; reports of port wardens, and list of shipping masters.

I have the honour to be, sir,
Your obedient servant,

F. GOURDEAU,
Deputy Minister of Marine and Fisheries.

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APPENDIX No. 1.

MERCHANT SHIPPING.

The total number of vessels remaining on the register books of the Dominion on the 31st December, 1902, including old and new vessels, sailing vessels, steamers and barges, was 6,836, measuring 652,613 tons register tonnage, being an increase of 44 vessels, and a decrease of 11,870 tons register, as compared with 1901. The number of steamers on the registry books on the same date was 2,289 with a gross tonnage of 303,353 tons. Assuming the average value to be \$30 per ton, the value of the registered tonnage of Canada, on the 31st December last, would be \$19,578,390.

The number of new vessels built and registered in the Dominion of Canada during the last year was 296, measuring 30,216 tons register tonnage. Estimating the value of the new tonnage at \$45 per ton, it gives a total value of \$1,359,720 for new vessels.

A statement follows, showing the number of vessels and number of tons on the register books at the different ports of registry in the Dominion, on the 31st December last, along with a comparative statement of the tonnage from 1874 to 1902. A statement is also published of the number of vessels built and registered in the Dominion during the last year, and a comparative statement of the number of new vessels built and registered from 1874 to 1902, both inclusive. A comparative statement is also given of the tonnage of the Maritime States of the world.

STATEMENT showing the number of Vessels and number of Tons on the Registry Books of the Dominion of Canada, on December 31, 1902.

PROVINCE OF NEW BRUNSWICK.

Name of Port.	Total Number of Sailing Ships and Steamers.	Number of Steamers.	Gross Tonnage of Steamers.	Total Net Tonnage of Sailing Ships and Steamers.
Chatham.....	341	43	2,100	7,334
Dorchester.....	5			1,661
Moncton.....	13	1	20	1,625
Richibucto.....	19	4	129	2,110
Sackville.....	11	3	65	597
St. Andrews.....	151	7	591	3,058
St. John.....	377	71	7,086	48,220
Total.....	917	129	9,991	64,605

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STATEMENT showing the number of Vessels and number of Tons on the Registry Books,
&c.—Continued.

PROVINCE OF NOVA SCOTIA.

Name of Port.	Total Number of Sailing Ships and Steamers.	Number of Steamers.	Gross Tonnage of Steamers.	Total Net Tonnage of Sailing Ships and Steamers.
Amherst.....	5	.....	.....	118
Annapolis... ..	46	1	32	5,226
Arichat.	105	2	71	3,644
Barrington.....	46	2	59	1,461
Canso.....	25	.....	.....	560
Digby.....	121	4	128	4,838
Guysboro'.....	16	.....	.....	629
Halifax.....	432	60	7,499	19,348
Liverpool.	82	3	185	7,741
Lunenburg.....	331	7	568	30,692
Maitland	21	.....	.....	13,715
Parrsboro'.....	129	3	259	30,565
Pictou.....	60	22	3,112	6,493
Port Hawkesbury.....	72	3	131	2,243
Port Medway.. ..	21	1	138	1,978
Shelburne.....	80	3	68	4,668
Sydney.....	99	17	979	6,505
Truro.....	1	.....	.....	122
Weymouth.....	35	1	21	2,074
Windsor.....	111	15	2,830	49,753
Yarmouth.....	199	28	4,450	20,594
Total.....	2,037	172	20,530	212,967

PROVINCE OF QUEBEC.

Amherst (Magdalen Islands).....	15	.....	.....	505
Gaspé.....	30	.....	.....	1,412
Montreal.....	576	206	55,806	91,347
Paspébiac.....	13	3	88	1,078
Quebec.....	654	154	21,966	42,318
Total.....	1,288	363	77,860	136,660

PROVINCE OF ONTARIO.

Amherstburg.....	11	7	196	242
Belleville.....	18	14	309	612
Bowmanville.....	2	.....	.....	282
Brockville.....	24	23	521	327
Chatham.....	22	15	585	699
Cobourg.....	5	1	23	489
Collingwood.....	73	71	10,556	7,548
Cornwall.....	2	2	46	32
Deseronto.....	16	11	1,300	1,398
Dunnville.....	1	.....	.....	57
Goderich.....	37	29	971	1,362
Hamilton.....	49	41	6,114	5,026
Kingston.....	174	88	11,030	23,415
Lindsay.....	51	31	859	1,855
Napanee.....	1	.....	.....	122
Oakville.....	1	.....	.....	26
Ottawa.....	364	197	20,559	28,723
Owen Sound.....	43	40	7,647	5,351
Peterborough.....	39	35	997	890
Picton.....	20	11	2,884	3,492

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STATEMENT showing the number of Vessels and number of Tons on the Registry Books,
c.—*Concluded.*

PROVINCE OF ONTARIO—*Concluded.*

Name of Port.	Total Number of Sailing Ships and Steamers.	Number of Steamers.	Gross Tonnage of Steamers.	Total Net Tonnage of Sailing Ships and Steamers.
Port Arthur.....	26	25	3,553	2,342
Port Burwell.....	6	5	54	95
Port Dover.....	12	7	201	590
Port Hope.....	47	28	1,956	3,979
Port Rowan.....	5	2	35	271
Port Stanley.....	9	9	1,346	840
Prescott.....	39	16	995	7,076
Rat Portage.....	14	14	637	353
Sarnia.....	35	28	9,042	7,023
Saugeen.....	14	12	593	607
Sault Ste. Marie.....	38	33	1,916	6,939
St. Catharines.....	92	59	4,588	9,976
Toronto.....	320	240	27,674	24,921
Wallaceburg.....	32	18	1,222	2,463
Whitby.....	3	.....	.....	514
Windsor.....	54	26	7,201	6,512
Total..	1,699	1,138	125,610	156,449

PROVINCE OF PRINCE EDWARD ISLAND.

Charlottetown.....	156	16	3,272	13,464
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PROVINCE OF BRITISH COLUMBIA.

New Westminster.....	154	90	6,503	9,326
Vancouver.....	185	140	16,781	16,280
Victoria.....	245	129	31,766	32,686
Total.....	584	359	55,050	58,292

PROVINCE OF MANITOBA.

Winnipeg.....	139	97	7,030	7,536
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YUKON DISTRICT.

Dawson City.....	16	15	4,010	2,640
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SUMMARY.

New Brunswick.....	917	129	9,991	64,605
Nova Scotia.....	2,037	172	20,530	212,967
Quebec.....	1,288	363	77,860	136,660
Ontario.....	1,699	1,138	125,610	156,449
P. E. Island.....	156	16	3,272	13,464
British Columbia.....	584	359	55,050	58,292
Manitoba.....	139	97	7,030	7,536
Yukon District.....	16	15	4,010	2,640
Grand total.....	6,836	2,289	303,353	652,613

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COMPARATIVE STATEMENT showing the number of Vessels and number of Tons on the Registry Books of the Dominion of Canada on the 31st December in each year, from 1874 to 1902.

Provinces.	1874.		1875.		1876.		1877.		1878.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick	1,144	294,741	1,133	307,926	1,154	324,513	1,133	329,457	1,142	335,965
Nova Scotia....	2,787	479,669	2,786	505,144	2,867	529,252	2,961	541,579	3,003	553,368
Quebec.....	1,837	218,946	1,831	222,965	1,902	228,502	1,951	248,399	1,676	248,349
Ontario.....	815	113,008	825	114,990	889	123,947	926	131,761	958	135,440
P. E. Island...	312	48,388	335	50,677	338	50,692	342	55,547	322	54,250
B. Columbia...	35	3,611	40	3,685	40	3,809	43	3,479	51	4,482
Manitoba.....	.....	.....	2	178	2	178	6	246	17	1,161
Total.....	6,930	1,158,363	6,952	1,205,565	7,192	1,260,893	7,362	1,310,468	7,169	1,333,015
Provinces.	1879.		1880.		1881.		1882.		1883.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick	1,135	340,491	1,097	336,976	1,087	333,215	1,065	308,980	1,107	315,906
Nova Scotia....	2,975	552,159	2,977	550,448	3,025	558,911	3,026	546,778	3,037	541,715
Quebec.....	1,975	246,025	1,889	233,341	1,830	224,936	1,754	215,804	1,739	216,577
Ontario.....	1,006	136,987	1,042	137,481	1,081	139,998	1,112	137,061	1,133	140,972
P. E. Island...	298	49,807	288	45,931	273	45,410	248	41,684	241	49,446
B. Columbia...	60	4,701	63	5,049	74	6,296	84	7,687	94	9,046
Manitoba.....	22	1,924	21	1,992	24	2,130	23	2,783	24	2,778
Total.....	7,471	1,332,094	7,377	1,311,218	7,394	1,310,896	7,312	1,260,777	7,375	1,276,440
Provinces.	1884.		1885.		1886.		1887.		1888.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick	1,096	308,131	1,060	288,589	1,042	269,224	1,027	255,126	1,009	239,332
Nova Scotia....	2,942	544,048	2,988	541,832	2,929	526,921	2,845	498,878	2,851	485,709
Quebec.....	1,628	202,842	1,631	203,635	1,650	232,556	1,586	189,064	1,498	178,520
Ontario.....	1,184	142,387	1,223	144,487	1,248	140,929	1,275	139,548	1,330	139,502
P. E. Island...	234	39,213	227	36,040	225	30,658	225	29,031	218	26,586
B. Columbia...	116	11,403	123	11,834	134	11,900	149	12,789	167	14,249
Manitoba.....	55	5,722	63	5,439	65	5,578	71	5,871	69	5,744
Total.....	7,255	1,253,747	7,315	1,231,856	7,293	1,217,766	7,178	1,130,307	7,142	1,089,642
Provinces.	1889.		1890.		1891.		1892.		1893.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick	1,013	218,873	981	209,460	969	193,193	946	181,779	1,010	156,086
Nova Scotia....	2,855	464,431	2,793	464,194	2,778	461,758	2,731	425,690	2,715	396,263
Quebec.....	1,455	168,500	1,399	164,003	1,404	162,330	1,408	162,638	1,426	161,121
Ontario.....	1,352	141,839	1,312	138,738	1,345	138,914	1,347	141,750	1,370	146,665
P. E. Island...	224	25,506	231	26,080	195	23,316	196	22,706	188	20,970
B. Columbia...	176	15,241	196	16,024	246	19,767	298	23,448	315	24,900
Manitoba.....	77	6,091	79	6,475	78	6,197	81	6,118	89	6,534
Total.....	7,152	1,040,481	6,991	1,024,974	7,015	1,005,475	7,007	964,129	7,113	912,539

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COMPARATIVE STATEMENT showing the number of Vessels and number of Tons on the Registry Books of the Dominion of Canada, &c.—*Concluded.*

Provinces.	1894.		1895.		1896.		1897.		1898.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick	1,003	136,257	975	122,417	964	115,506	923	103,584	903	89,257
Nova Scotia . . .	2,710	371,432	2,683	343,356	2,669	317,526	2,204	283,056	2,167	262,176
Quebec	1,427	160,590	1,454	158,776	1,469	158,649	1,480	158,077	1,378	144,447
Ontario	1,480	148,525	1,508	148,609	1,525	146,522	1,424	135,349	1,452	134,180
P. E. Island . .	191	19,650	190	19,323	174	16,540	174	15,812	178	15,979
B. Columbia . .	336	26,455	346	25,988	363	26,622	364	28,604	444	40,304
Manitoba	98	6,715	106	7,307	115	7,934	115	7,272	121	7,439
Total	7,245	869,624	7,262	825,776	7,279	789,299	6,684	731,754	6,643	693,782

	1899.		1900.		1901.		1902.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick	920	86,288	927	78,703	915	75,293	917	64,605
Nova Scotia	2,121	243,457	2,121	226,817	1,980	214,560	2,037	212,967
Quebec	1,375	144,586	1,247	138,136	1,265	142,664	1,288	136,660
Ontario	1,488	135,234	1,610	141,112	1,635	145,227	1,699	156,449
Prince Edward Island	171	14,660	176	14,251	180	14,729	156	13,444
British Columbia	488	44,415	515	51,095	676	62,102	584	58,292
Manitoba	126	9,108	128	7,147	130	7,445	139	7,536
Yukon District	9	1,604	11	2,268	11	2,463	16	2,640
Total	6,698	679,352	6,735	659,534	6,792	664,483	6,836	652,613

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LIST of Ports at which Vessels may be Registered, showing the number of New Vessels Built and Registered in the Dominion of Canada, during the Year ended December 31, 1902.

Name of Port.	Total Number of Sailing Ships and Steamers.	Total Net Tonnage of Sailing Ships and Steamers.	Name of Port.	Total Number of Sailing Ships and Steamers.	Total Net Tonnage of Sailing Ships and Steamers.
PROVINCE OF NEW BRUNSWICK.			PROVINCE OF ONTARIO.		
Chatham.....	11	272	Amherstburg.....	Nil.	Nil.
Dorchester .. .	Nil.	Nil.	Belleville.....	Nil.	Nil.
Moncton.....	Nil.	Nil.	Bowmanville .. .	Nil.	Nil.
Richibucto... ..	1	21	Brockville.....	Nil.	Nil.
Sackville .. .	Nil.	Nil.	Chatham .. .	Nil.	Nil.
St. Andrews.....	2	33	Cobourg.....	Nil.	Nil.
St. John .. .	9	729	Collingwood... ..	5	2,313
Total.....	23	1,055	Cornwall .. .	Nil.	Nil.
PROVINCE OF NOVA SCOTIA.			Deseronto .. .	Nil.	Nil.
Amherst.....	Nil.	Nil.	Dunnville.....	Nil.	Nil.
Annapolis .. .	1	386	Goderich .. .	2	67
Arichat.....	13	202	Hamilton .. .	Nil.	Nil.
Barrington .. .	Nil.	Nil.	Kingston .. .	5	59
Canso .. .	4	1,111	Lindsay .. .	7	142
Digby .. .	11	221	Morrisburg .. .	Nil.	Nil.
Guysboro' .. .	Nil.	Nil.	Napanee .. .	Nil.	Nil.
Halifax .. .	14	435	Oakville .. .	Nil.	Nil.
Liverpool.....	10	1,516	Ottawa.....	9	488
Lunenburg .. .	45	4,658	Owen Sound .. .	2	1,477
Maitland.....	3	507	Peterborough .. .	4	19
Parrsboro' .. .	10	2,835	Pictou .. .	Nil.	Nil.
Pictou .. .	1	96	Port Arthur.....	1	80
Port Hawkesbury.. .	1	39	Port Burwell.....	Nil.	Nil.
Port Medway.....	1	11	Port Colborne .. .	Nil.	Nil.
Shelburne .. .	8	703	Port Dover.....	Nil.	Nil.
Sydney .. .	2	21	Port Hope .. .	Nil.	Nil.
Truro .. .	Nil.	Nil.	Port Rowan.....	Nil.	Nil.
Weymouth .. .	1	40	Port Stanley .. .	1	149
Windsor.....	6	1,459	Prescott .. .	Nil.	Nil.
Yarmouth .. .	9	587	Rat Portage.....	1	29
Total.....	140	14,827	Sarnia.....	Nil.	Nil.
PROVINCE OF QUEBEC.			Saugeen .. .	2	45
Amherst (Magdalen Is- lands).....	1	32	Sault Ste. Marie.....	3	3,352
Gaspé.....	Nil.	Nil.	St. Catharines.....	2	49
Montreal.....	11	947	Toronto .. .	14	470
Paspébiac.....	1	67	Wallaceburg.....	2	22
Quebec.....	23	944	Whitby.. .	Nil.	Nil.
Total....	36	1,990	Windsor .. .	Nil.	Nil.
PROVINCE OF PRINCE EDWARD ISLAND.			Total.	60	8,791
Amherst (Magdalen Is- lands).....	1	32	Charlottetown.....	8	530
Gaspé.....	Nil.	Nil.			
Montreal.....	11	947			
Paspébiac.....	1	67			
Quebec.....	23	944			
Total....	36	1,990			

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List of Ports at which Vessels may be Registered, showing the number of New Vessels built and registered, &c.—*Concluded.*

Name of Port.	Total Number of Sailing Ships and Steamers.	Total Net Tonnage of Sailing Ships and Steamers.	Name of Port.	Total Number of Sailing Ships and Steamers.	Total Net Tonnage of Sailing Ships and Steamers.
PROVINCE OF BRITISH COLUMBIA.			SUMMARY.		
New Westminster.	5	339	New Brunswick.	23	1,055
Vancouver.	25	1,160	Nova Scotia.	140	14,827
Victoria.	6	1,051	Quebec.	36	1,990
Total.	36	2,550	Ontario.	60	8,791
PROVINCE OF MANITOBA.			Prince Edward Island. . .	8	530
Winnipeg.	10	137	British Columbia	36	2,550
YUKON DISTRICT.			Manitoba.	10	137
Dawson City.	3	326	Yukon District.	3	336
			Total.	316	30,216

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COMPARATIVE STATEMENT of New Vessels Built and Registered in the Dominion
1902, both

Provinces.	1874.		1875.		1876.		1877.		1878.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick.....	90	42,027	65	33,483	61	31,040	54	31,158	56	27,368
Nova Scotia.....	175	84,480	177	67,106	194	58,771	219	47,980	166	49,784
Quebec.....	73	20,796	103	22,825	51	17,800	62	19,253	46	10,870
Ontario.....	50	10,797	53	7,760	47	5,397	28	3,316	30	2,409
Prince Edward Island.....	88	24,634	83	19,838	62	14,571	62	17,026	38	10,382
British Columbia.....	5	276	.....	.....	1	121	2	204	2	45
Manitoba.....	.....	.....	.....	.....	.....	.....	3	48	1	15
	481	183,010	481	151,012	416	127,700	430	118,985	339	100,873
Add new vessels built in Canada which proceeded to the United Kingdom under a Governor's pass without being registered.....	6	7,746	.....	.....	3	2,721	2	1,943	1	663
Add new vessels which left Quebec for registration in Germany.....	.....	.....	.....	.....	1	480	.....	.....	.....	.....
Total.....	487	190,756	481	151,012	420	130,901	432	120,928	340	101,536

Provinces.	1888.		1889.		1890.		1891.		1892.		1893.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick.....	32	2,530	50	4,792	35	5,572	43	6,269	21	1,873	119	2,819
Nova Scotia.....	116	12,965	126	19,645	150	33,907	130	35,528	105	16,446	111	15,089
Quebec.....	23	2,669	27	3,759	25	4,880	46	4,200	34	2,620	53	4,220
Ontario.....	62	5,095	45	3,259	41	4,917	44	2,662	34	3,684	49	4,126
Prince Edward Island...	12	1,412	12	1,503	12	2,008	5	1,000	9	967	3	634
British Columbia.....	18	448	12	840	15	876	41	2,364	46	2,887	19	944
Manitoba.....	1	11	8	548	7	218	3	122	6	296	8	608
Yukon District.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	264	25,130	280	34,346	285	52,378	312	52,145	255	28,773	362	28,440
Add new vessels built in Canada which proceeded to the United Kingdom under a Governor's pass without being registered.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Add new vessels which left Quebec for registration in Germany...
Total.....	264	25,130	280	34,346	285	52,378	312	52,145	255	28,773	362	28,440

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of Canada during the Year ended 31st December, in each Year, from 1874 to inclusive.

1879.		1880.		1881.		1882.		1883.		1884.		1885.		1886.		1887.	
Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
43	19,067	63	18,896	57	18,259	66	16,820	72	21,103	46	12,888	34	7,736	34	4,931	18	2,909
126	39,208	126	31,257	150	40,465	117	26,711	202	35,765	178	42,032	102	24,703	93	20,948	87	12,310
29	7,421	33	8,219	56	5,673	26	6,785	42	6,591	32	3,815	29	4,556	27	2,683	28	2,888
42	2,464	44	3,610	54	5,111	55	4,369	34	4,311	58	4,446	45	4,509	52	2,075	66	2,993
20	5,279	21	3,359	15	4,351	15	3,508	17	5,343	21	5,189	11	1,707	12	1,318	7	601
5	788	....	....	2	85	8	1,631	5	849	15	675	6	648	8	154	9	376
...	.....	1	100	3	116	1	289	2	125	37	3,366	13	320	3	98	8	439
265	74,227	288	65,441	337	74,060	288	60,113	374	74,097	387	72,411	240	44,179	229	32,207	223	22,516
....	.....	....	.....	....	.....	1	1,029	....	.....	....	.....	....	.....	....	.....	....	.....
....
265	74,227	288	65,441	337	74,060	289	61,142	374	74,090	387	72,411	240	44,179	229	32,207	223	22,516

1894.		1895.		1896.		1897.		1898.		1899.		1900.		1901.		1902.	
Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
40	2,534	27	714	24	627	33	1,738	31	790	31	798	22	762	25	1,141	23	1,055
128	8,721	89	4,762	97	7,704	54	4,259	67	4,962	92	7,594	117	9,416	133	14,660	140	14,827
55	4,412	49	4,335	36	3,969	49	4,227	51	4,139	35	5,943	50	4,301	43	7,421	16	1,990
64	3,137	52	3,732	38	1,757	50	3,850	46	1,872	52	3,419	58	3,734	62	2,665	60	8,791
3	183	1	196	3	111	3	226	5	372	3	56	3	106	6	589	8	530
25	1,900	18	1,709	22	1,466	26	2,429	72	12,228	51	2,734	43	3,837	62	7,728	36	2,550
11	356	14	822	7	512	16	365	6	159	13	554	3	109	3	112	10	137
....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1	61	1	165	3	336
326	21,243	250	16,270	227	16,146	231	17,094	278	24,522	277	21,098	297	22,326	335	34,481	296	30,216
....
....
326	21,243	250	16,270	227	16,146	231	17,094	278	24,522	277	21,098	297	22,326	335	34,481	296	30,216

STATEMENT showing the Tonnage of each of the Maritime States of the World compiled the Répertoire Général for 1901-1903.

Nationality.	Steam- ers.	Gross Tonnage of Steamers.	Net Tonnage of Steamers.	Sailing Vessels.	Net Ton- nage of Sail- ing Vessels.	Total Net Tonnage.
British, including Canada and the Colonies.....	8,147	13,706,101	8,232,651	7,227	2,242,578	10,475,229
American.....	820	1,504,022	1,021,928	3,882	1,438,354	2,460,282
German.....	1,399	2,657,931	1,642,891	1,212	536,925	2,179,816
Norwegian.....	913	878,073	545,451	1,876	808,935	1,354,386
French.....	849	1,142,330	576,524	1,791	479,967	1,056,491
Italian.....	376	724,435	458,047	1,578	530,168	988,215
Canadian (664, 483).....						
Russian.....	617	588,234	354,299	2,977	543,015	897,314
Spanish.....	486	751,327	486,216	394	99,232	585,449
Swedish.....	683	457,471	321,118	1,649	285,670	606,788
Dutch.....	340	570,080	363,505	702	113,633	482,138
Danish.....	382	442,951	2,690,026	908	131,885	400,911
Grecian.....	176	281,196	184,408	914	176,184	360,592
Japanese.....	514	551,117	344,990	1,520	173,518	518,508
Turkish.....	108	98,571	61,096	915	180,411	241,507
Austrian.....	256	525,492	328,213	129	33,087	361,300
Brazilian.....	221	136,105	86,677	341	76,660	163,337
Chilian.....	52	64,929	40,656	113	51,052	91,708
Belgian.....	158	169,444	114,925	13	3,090	118,015
Portuguese.....	44	47,887	29,801	278	55,930	85,731
Argentine.....	105	68,949	43,144	160	41,817	84,961
Hawaiian.....						
Peruvian.....	5	6,377	4,253	35	23,399	27,652
Chinese.....	42	58,390	36,936	12	1,661	38,597
Uruguay.....	31	22,773	15,379			15,379
Roumanian.....	26	20,754	12,700	23	4,207	16,907
Egyptian.....	8	5,463	3,438	6	1,481	4,919
Mexican.....	25	12,317	7,237	48	8,747	15,984
Nicaragua.....	2	783	420	18	9,827	10,247
Guatemala.....				12	3,066	3,066
Siamese.....	6	2,601	1,561	12	4,088	5,649
Venezuelan.....	11	5,943	3,493	17	2,911	6,404
Arabian.....				2	1,485	1,485
Haytian.....	5	2,122	893	14	2,471	3,364
Montenegrian.....				18	4,405	4,405
Colombian.....	1	881	457	4	1,254	1,711
Zanzibar.....	2	2,478	1,656			1,656
Persian.....	1	838	379	1	608	1,187
Bolivian.....				1	601	601
Bulgarian.....	2	1,977	1,295	1	110	1,405
San Domingo.....				8	1,235	1,235
Corean.....	3	1,545	1,168			1,168
Costa Rica.....	3	1,120	686	2	551	1,237
Sarawak.....	3	2,152	1,331	1	347	1,678
Liberian.....				3	916	916
Ecuador.....				1	257	257
Tunisian.....	1	75	11	2	514	525
San Salvador.....				3	514	514
Borneo.....						
Paraguay.....	1	282	232			232
Servian.....	1	264	112			112
Honduras.....	2	263	115	2	199	314
Cuban.....	43	32,280	24,753	121	11,510	36,263
Unknown.....	21	33,479	20,217	71	11,589	32,806
Oriental Republic.....				67	25,925	25,925
Total.....	16,891	25,587,802	15,644,488	29,304	8,131,984	23,776,472

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APPENDIX No. 2.

REPORT OF THE MONTREAL HARBOUR COMMISSIONERS FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1901.*(Only portion relating to Harbour Master's Office has appeared in Supplement of 1901.)*HARBOUR COMMISSIONERS OF MONTREAL,
SECRETARY'S OFFICE, MONTREAL, February 11, 1903.F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour, by direction of the Harbour Commissioners of Montreal, to forward herewith, for the information of the Hon. the Minister of Marine and Fisheries, a summarized statement of the operations of the corporation for the year ended December 31, 1901.

The ordinary revenue was \$270,411.17, a decrease of \$16,658.01 from that of the previous year. The tariff of wharfage rates on about sixty per cent of the articles for export was reduced fifty per cent, which caused a falling off in that portion of the revenue estimated at \$52,609.83 from what it would have been had the tariff been the same as in the previous year. The revenue from imports increased \$31,187.58, and that from local wharfages \$1,130.60, while the exports show a decrease of \$43,834.57, owing to the reduction in the tariff, as above mentioned.

The cost of management, maintenance and repairs, apart from expenditure on capital account, was \$128,575.27, being an increase of \$43,191.33 over the previous year. The expenditure on harbour repairs for 1901 was \$79,460.80, being \$36,781.99 over that of 1900. This excess accounts for the larger part of the increase of expenditure aforementioned. The interest and annuity of \$600 were \$176,632.05, the increase of \$12,493.16 being for interest on loans received during the year to carry out the works of improvement.

The amount expended on capital account for the year was \$455,497.63, as against \$390,314.90 in 1900, towards which the city of Montreal contributes \$90,508.89 on account of harbour improvements. The commission, under agreement with the city of Montreal, constructed a further portion of the flood protection wall, upon which \$99,413.90 was expended; this amount added to the expenditure on capital account, makes \$554,911.53 spent on permanent improvements.

The sum of \$150,000 was raised on loan from the Dominion of Canada, on account of the \$2,000,000 authorized by the Act 61 Victoria, chapter 47, for harbour improvements.

One million eight hundred and fifty thousand dollars authorized by the Act 61 Victoria, chapter 47, amended by the Act 62-63 Victoria, chapter 36, was available towards covering the cost of harbour improvements carried out and those still to be done, and the amount still to be contributed by the city of Montreal for future work, under agreement of September 12, 1899, was \$172,499.45 for general improvements, and for the guard pier construction, \$9,039.05. Towards the erection of a grain elevator and other harbour equipment, there was available the \$1,000,000 authorized to be loaned to the corporation by the Act 1 Edward VII., chapter 9.

The total bonded debt at the end of the year was \$4,372,000, of which \$2,222,000 is due to the public, and \$2,150,000 to the government, upon which the average rate of interest is about $3\frac{7}{8}$ per cent per annum.

The usual report of the past year of the harbour master has already been transmitted to you, while that of the chief engineer on the works, for the improvement and maintenance of the harbour, is transmitted herewith.

I have the honour to be, sir, your obedient servant,

DAVID SEATH, *Secretary-Treasurer.*

SUMMARIZED STATEMENT of operations for the year ended December 31, 1901.

Balance and Receipts.	Revenue.	Capital.	Disbursements and Balance.	Revenue.	Capital.
	\$ cts.	\$ cts.		\$ cts.	\$ cts.
Balance from 1900			Refunds of wharfages inwards and outwards	64 26	
Held for Montreal Decayed Pilots' Fund in trust:	\$273,529 70		Administrative staff, salaries and fees	25,022 91	
Harbour Debentures and City Stock.....	51,000 00		Annuity.....	600 00	
Cash on hand and in City and District Savings Bank.....	3,819 30		Miscellaneous expenses, taxes, heating, printing, advertising, travelling, legal, notarial and other expenses	12,804 28	
	51,819 39		Electric Lighting of Harbour	4,009 10	
			Harbour Surveys.....	1,551 64	
			Maintenance of Dredging	2,449 52	
			Buoys and Beacons maintained by the Commission	23 01	
			Harbour Repairs, maintenance of wharves, &c	79,460 80	
			Interest.	176,032 65	
			Premium for employer's legal liability insurance	3,189 15	195 90
			Harbour of Montreal, establishing boundary		4,041 62
			Windmill Point Basin, dredging.. ..		443 04
			" Wharf, dump man		10,419 09
			Harbour Railway, (see contra for credit).....		1,955 80
			Harbour Dredging Fleet, (see contra for credit).. ..		99,415 40
			City Flood Wall, (see contra for credit).....		
			Harbour Enlargement, new piers, &c., (see contra for credit)		388,537 13
			Harbour Repairs, (see contra for credit).....		248 30
			Harbour Enlargement, dredging.....		18,963 98
			Guard Pier Construction, (see contra for credit)...		8,470 23
			Ship Channel in Harbour.....		18,936 17
			Harbour Plant, deduction made for depreciation.. ..		5,156 57
			Real Estate—Improvements.....		1,116 84
			Elevator Account.....		182 21
			Security deposits refunded		60,813 81
			Pilotage Expenses.....		831 25
			Montreal Decayed Pilots' Fund:		
			Pensions to old pilots and widows ..\$	5,649 90	
			Audit of fund, etc	35 00	
					5,684 90
			Disbursements on Capital account.....		625,412 24
			" " on Revenue account.....		305,207 32
			Total disbursements		930,619 56
Collector of Customs:					
Wharfage dues on imports.....\$	132,614 68				
" " exports.....	87,683 05				
Wharfinger, local traffic, &c.....					
Wharfage dues not paid at Customs, 1900					
Proceeds sale of unclaimed goods.....					
Rental Harbour tracks and properties.....					
W. J. Conners, et al, indemnity for cancelling allot- ment					
Harbour Plant, sale of builders' derricks.....		500 00			
Harbour Dredging Fleet, old materials sold,		1,955 80			
Harbour Railway, old materials sold... ..		446 40			
Harbour Repairs, old materials sold.....		248 30			
Harbour Enlargement, use of diver		18 75			
" " City of Montreal		88,569 62			
City Flood Wall, old materials sold.		1 50			
" " City of Montreal		99,413 90			
Guard Pier		1,939 27			
Chart Account, charts sold.....		44 25			
Security deposits, for due fulfilment of contracts		9,726 92			
Pilotage Expenses, 2 p.c. of pilotage dues		1,412 76			

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Montreal Decayed Pilots' Fund : 5 p.c. of pilotage dues \$ 3,251 17 Interest on invested funds 2,369 85 Dominion of Canada under the Act 61 Vic., Chap. 47..... Balance and receipts on capital account.... Receipts on Revenue account	<div>.....</div> <div>.....</div> <div>.....</div> <div>.....</div> <div>.....</div> <div>.....</div> <div>.....</div> <div>.....</div> <div>.....</div> <div>.....</div>	<div>5,621 02</div> <div>150,000 00</div> <div>788,247 58</div> <div>270,411 17</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	<div>Balance December 31, 1901 : Cash..... \$ 5,183 77 Bank of Montreal, coupon account 100 00 Sundry accounts receivable..... \$ 5,283 77 Value of materials in stock. 94,075 41 Discount on debentures 'H' & 'J'... 128,681 26 19,272 23 Less interest accrued and coupons outstanding... \$86,524 81 Bank of Montreal (paid January 22, 1902)..... 85,815 06 Account unadjusted Dec. 31, 1901..... 1,689 15 174,029 02 73,283 65 Montreal Decayed Pilots' Fund : Harbour debentures and city stock..... 51,000 00 Deposit, City and Dis- trict Sav. Bank. 3,755 19 Cash 0 32 54,755 51 128,039 16 1,058,658 72</div>
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Certified.

DAVID SEATH,
Secretary-Treasurer.

Verified as per report.

RIDDELL & COMMON, C.A.,
Auditors.

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HARBOUR COMMISSIONERS OF MONTREAL,

CHIEF ENGINEER'S OFFICE,

MONTREAL, November 20, 1902.

DAVID SEATH, Esq.,

Secretary, Harbour Commissioners of Montreal.

DEAR SIR,—I beg to submit for the information of the Board of Harbour Commissioners, the following report upon the works in the harbour of Montreal for the year ended December 31, 1901 :—

NRW WORKS.

The principal works carried on during the year were : The building of the concrete superstructure of the shore wharf in sections 12 and 13, which was commenced in the previous fall, and making of a large part of the filling behind the wharf ; the completion of the large new pier in section 14 ; the building and sinking of the cribwork of the shore wharf from pier to pier in section 15 ; the building and sinking of the cribwork and the making of the filling of the new pier in section 16 to an average height of about 12 feet below finished elevation ; the completion of the cribwork and the making of a considerable part of the shore wharf in sections 18 and 19, and the dredging out of large areas of the basins between sections 32 and 5.

The principal details are as follows :—

Section 7, Windmill Point.—About 49,250 cubic yards of earth, ashes and other filling stuff sent in from city excavations, furnaces, &c., were used in extending the wharf embankment on the south-east side of the Windmill Point basin. The embankment had, at the close of the year, been carried down to about 1,500 feet from the head of the basin. Expenditure, \$443.04.

Sections 5 to 11, Windmill Point Basin and Approach.—The Windmill Point basin was deepened by dredging and blasting, chiefly on its south-east side, in sections 5 to 11, and for the double purpose of obtaining rock for the filling of cribwork and other parts of the new wharves being built in other parts of the harbour, and of enlarging the deep water area of the basin and preparing foundation for future extension of the wharf on its south-east side. The dredged area is about 1,000 feet in length by 40 feet in width on the side of cribs to be built on the east side of the basin, and 700 feet in length by 60 feet in width in the basin proper, adjoining the dredging on the crib seats. The depth of the dredging varied from 18 feet to 29 feet at extreme low water. Expenditure on dredging, \$4,041.62.

Harbour Improvement Works, Sections 12 and 13.—At the closing of work in 1900, the cribwork of the new shore wharf between the entrance of the canal and the new pier in section 14 had all been put in place and built up to elevation 95.20 feet above datum, and 280 lineal feet of the concrete superstructure had been built up to elevation 103.00 feet. On July 15, 1901, which was as soon as the river had sufficiently lowered, the building of the concrete superstructure was resumed, and by November 30, the whole was finished. The length of the new shore wharf is 1,000 feet, and its concrete superstructure wall is finished at elevation 119.00, or fifteen feet above extreme low water. With the exception of a short ashlar masonry wall, which was rather a part of the canal entrance works than a wharf, and which was taken down in 1899 in making

NOTE.—The term "extreme low water" in this report means the stage of the river when there is 13 feet depth on the lower mitre sill of lock No. 1, Lachine Canal, built 1848. The term "ordinary low water" means a stage 3 feet 4 inches higher, or 16 feet 4 inches on the lock sill. All elevations above datum are measured from the harbour datum, which is a horizontal plane 81 feet below the lock sill, 100 feet below the Montreal city datum, and 73.90 feet below mean tide level at New York, according to the United States Coast Survey levels.

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room for the harbour enlargement works, the newly-built wharf of cribwork up to low water and concrete wall above is the first wharf in the Montreal harbour which is known to have had the front wall built of anything but timber.

During the building of the concrete wall a great quantity of dredgings was deposited in rear by the floating derricks, as filling stuff to bring the whole wharf up to high level and a considerable quantity of stuff from city carts was also received and deposited.

Harbour Improvement Works, Section 14.—At the close of the working season of 1900 all the timber work of the new pier, now called the Alexandra Pier, had been finished, except one to three feet in height and the top planking of about 325 lineal feet of the outer end of the pier. Nearly all the earth and rock filling had also been deposited, but not spread and levelled to proper height. The finishing of the timber work and levelling of the filling were commenced early in May, 1901, and by July 6, the whole pier was put into use by vessels.

The pier is 1,000 feet in length by 300 feet in width, and is built of timber cribwork face walls and solid earth and rock filling throughout. The cribwork walls are founded at elevation 62.00 to 63.50 feet above datum, or 32 to 30½ feet below extreme low water on the lock sill, and it is finished at a top elevation of 119.00 feet above datum, or 25 feet above extreme low water.

Harbour Improvement Works, Section 15.—The old Island wharf, the first part of which was built about 1832, and parts of the old shore wharf built in later times, were dredged out during the summer to form the site for the new shore wharf between the Alexandra and the new King Edward piers. The first crib of the new wharf, that next the King Edward pier, was sunk in position on September 13, 1901, and the one next the Alexandra pier was sunk on September 21, 1901. The building of a grain elevator by the Commissioners in the middle of the length of the shore wharf having been determined upon, the central crib of the wharf was made of special construction with compartments and filling suited to receive the piles for the elevator foundation. This crib was sunk on November 23, 1901. The other two cribs are of ordinary construction, and all were built up to an elevation of about 94.00 feet above datum and filled to receive a concrete superstructure wall. The length of the shore wharf from pier to pier is 576 feet.

The Commissioners street sewer which discharged into the old Elgin basin was found to be in very bad condition in the part beneath the old wharf. It was therefore repaired through to the north-east side of the new flood wall by building new timber walls inside the old walls and putting on a new cover of two thicknesses of timber. The sewer was also extended out to the face of the new shore wharf in a strongly built timber culvert which discharges into the new basin below low water level.

Harbour Improvement Works, Section 16.—In the fall of 1900 four cribs had been built and made nearly ready for sinking. Crib building was resumed on April 18, 1901. The first crib of the pier, that at the down stream outer corner, was sunk in place on May 31, and by November 11, the last crib, that at the inshore end of the lower side, had been sunk. The building up of the superstructure of the cribwork and the filling behind was made to follow on as quickly as practicable, and by the close of the working season both had been brought up to an average height of about twelve feet below the finished top level of the pier.

The pier is 1,018 feet in length on the up stream side and 1,010 feet long on the down-stream side, and is 300 feet in width. The wharf wall surrounding the pier is all of cribwork, founded on earth bottom at 32 feet below lowest water, or 62.00 feet above datum, and will be finished at 25 feet above lowest water, or 119.00 feet above datum.

Harbour Improvement Works, Sections 18 and 19.—At the close of 1900 the cribwork of the shore wharf between the Jacques Cartier and the Victoria piers had been built up to nearly full height and the filling behind it was well advanced. Work was resumed on April 22, 1901, and by June 1 the wharf was put into use. The filling in rear was carried back to a width of 104 feet, or about half the breadth of the whole wharf at that

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place, and the remainder was left at low level in order to leave undisturbed until a future time the railway tracks and main roadway along the harbour. The front wall of the new wharf is wholly of cribwork, is 739 feet in length, and it slopes from the height of the high level Jacques Cartier pier at one end to the low level Victoria pier at the other end, and it is founded at 32 feet below water and 13 feet on the back sill.

HARBOUR IMPROVEMENT WORKS.

General.

Dredging Foundations of Wharf, Crib, &c.—The site of the cribwork around the King Edward pier, 2,300 feet in length, by 50 feet in width, was dredged to 32 feet depth preparatory to sinking the cribs.

The old Island wharf, about 32 feet in length by 200 feet in width, by 47 feet in height, was completely dredged away, 32 feet to 39 feet of water being made on its site.

The site of the cribwork of the shore wharf between the sites of the Alexandra and King Edward piers was dredged to 32 feet depth preparatory to sinking the cribs. Length about 576 feet.

The site of the elevator now under construction (the Weber Elevator) was dredged to a depth of 15 feet to 32 feet to clear the foundation of stony material preparatory to driving the piles. Area about 200 feet by 100 feet. The site of the cribwork of the new shore wharf between the King Edward and Jacques Cartier piers was dredged, about half its length, to 32 feet. Length of this wharf about 622 feet.

Dredging Basins, Channels, &c.—About two-thirds of the area of the basin inclosed by the King Edward and Jacques Cartier piers was gone over and deepened to an average depth of about 36 feet.

Nearly all the basin inclosed by the Alexandra and King Edward piers was gone over and about one-third of it was deepened to 36 feet, and the remainder to 27 to 33 feet depth.

About one-third of the area of the basin, extending from the outer ends of the three new piers to the guard pier was, deepened so as to give a depth equal to that of the present ship channel, with a width of 400 to 500 feet out from the ends of the piers, from the Alexandra pier down stream to deep water. From the Alexandra pier towards Windmill Point, the dredging extended out about 400 feet from the end of the pier, but only about one-half of this width was deepened to the present ship channel depth.

The quantities dredged were as follows:—

Sections 12 to 15, 790,204 cubic yards; sections 16 and 17, 252,670 cubic yards; sections 18 and 19, 7,950 cubic yards; 1,050,824 cubic yards in all.

Blasting.—Opposite the King Edward pier an area of 66,000 square feet was drilled and blasted, and between this area and the entrance of the Windmill Point basin, another area of 880 feet by 75 feet was also dredged and blasted, the whole in such position as to give a width of 330 feet of channel from the ends of the King Edward and Alexandra piers.

Expenditures in harbour enlargement works in 1901:—

Cribwork construction, \$158,400.30; concrete wharf, \$54,508.16; labour filling wharves, \$27,757.51; portion of dredge and derrick work chargeable to filling the wharves, \$147,549.32; drilling and blasting, \$18,468.45; dredging (part cost), \$495.50; total, \$407,179.24. Paid by city for above work in 1901, \$88,569.62.

An area of about 1,200 feet in length by 300 feet in width was dredged through the Molson's shoal from opposite section 27 to opposite section 32, in such manner as to hereafter form an addition to the ship channel.

FLOOD PREVENTION WORKS—CITY CONTRACT.

Under the provisions of the contract of September 12, 1899, between the Harbour Commissioners of the city of Montreal, by which the commissioners undertook the con-

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struction of the flood prevention works between Black's bridge and Berri street, work which had been commenced in 1899 was resumed with the starting of the harbour works in the spring of 1900.

The flood protection wall, at the close of the working season of 1900, had been finished from its west end near Black's bridge to Port street, and from its east end at Berri street to the west end of the Bonsecours Market. Building was resumed on April 22, and part of the wall, 2,489 feet in length, was finished. The flood gates were fitted up in all the gateways after the close of navigation, and the whole flood wall thus made complete for the protection of the city.

The flood wall, including a rebuilt part of the wall of the Berri street ramp, is 5,123 feet in total length ; it is founded in general at about 110·00 feet above datum, and its top is 127·00 feet above datum, or 22 inches above the flood level of 1886, which was the highest on record. The wall, from its foundation to street level of 120·50 feet above datum, is 6 feet thick and is built in some parts of its length of rubble, in some of concrete, and in the remainder of both, and in all the mortar is of Portland cement. From street level to its top the wall batters on both sides from 6 feet to 3 feet thickness, and it is built of well cut limestone, ashlar faces with rubble or concrete filling, and also with cement mortar. The top is finished with a cut stone coping of 14 inches thickness in stones, which reach across the whole breadth of the wall.

The gateways of the wall for communication between the street and the wharves are fourteen in number, and, with two exceptions, are 40 feet wide in the clear. Each gateway is closed in flood time by gates composed of six leaves or sections made of Douglas fir planks, 5 inches thick, which are braced against the water and ice pressure by two very strong steel brace frames to each section.

The flood wall is so placed as to widen Common and Commissioners street to a standard width of 75 feet, increased at irregularities to 85 to 100 feet, and at the Bonsecours Market to an average of 120 feet between the general line of the market building and the wall. The area of land added to the street and in the sight of the wall, or more precisely the area of land between the Harbour Commissioners' boundary line and the south-east side of the wall is about 210,250 square feet.

The added width of street, which is mostly over the old low level wharves, was filled up to proper street elevation, and the parts between Prince and St. Peter and between Jacques Cartier square and Victor street had also been macadamized by the Commissioners at the close of 1900, but as the city intends to pave the whole street at an early date, an arrangement was arrived at between the City and the Commissioners by which the Commissioners have been released from macadamizing the remainder, and have deducted a proportionate sum from the contract price.

NEW WORKSHOPS ON MACKAY PIER.

The old floating shop and the several small buildings and sheds on the Mackay pier having become too small and inconvenient for the proper and economical maintenance of the dredging fleet, the building of shops on the Mackay pier was authorized by the Commissioners. Construction was commenced in September, and both the shops and necessary wharf platforms and other works were well advanced at the close of the year.

The new shops are built upon the top of the Mackay pier (guard pier) and consist of a blacksmith's shop of 100 feet by 48 feet, joined at one end to a machine shop and pattern-making shop of 132 feet by 48 feet, and of a carpenter's shop of 60 feet by 48 feet, placed 50 feet distant from the machine shop. The smithy is one story high, and the others of two stories, and all are of wood and of light construction. Along the side of the guard pier and fronting the shops a low level pile wharf of 247 feet in length by 27 feet 3 inches in top width was built, and on the top of the pier in the space between the wharf and the shops a high level wharf or platform of 312 feet by 29 feet 9 inches was being built at the close of the year.

HARBOUR YARD NEW SHED.

A shed was built in the north-west corner of the Commissioners' yard on the corner of Beaudry and Water streets, for the housing of water carts, wagons, wheelbarrows, &c. The shed is of wood, 123 feet by 18 feet, the ground floor being filled for storing the carts and wagons, and an upper floor for barrows, &c.

REPAIRS.

The total cost of maintenance and repairs of the harbour works in 1901 is \$79,461, and it compares as follows with the expenditure of previous years :—

1875.....	\$16,499
1876.....	35,711
1877.....	26,077
1878.....	18,974
1879.....	18,819
1880.....	17,330
1881.....	16,159
1882.....	27,962
1883.....	35,768
1884.....	44,869
1885.....	42,158
1886.....	64,986
1887.....	64,984
1888.....	49,520
1889.....	51,892
1890.....	56,380
1891.....	49,109
1892.....	72,179
1893.....	58,644
1894.....	75,455
1895.....	50,081
1896.....	55,211
1897.....	46,259
1898.....	58,847
1899.....	52,252
1900.....	42,679
1901.....	79,461

ICE MOVEMENTS—SPRING OF 1901.

The spring rise of water began on April 4, when the water stood at 27 feet 4 inches on the sill. The first shove took place on the 6th, the water having risen to 30 feet 4 inches on the sill. On the 10th another shove took place, and the water rose to 34 feet 4 inches on the sill. Heavy shoving took place on the 12th and the water rose to 36 feet 3 inches on the sill. Shoving continued at frequent intervals and on the 14th the ice field between the guard pier and the ends of the Jacques Cartier and Alexandra piers, and extending from Jacques Cartier pier to Windmill Point basin was shoved up stream 100 feet bodily, but was not broken up. The water was then 37 feet 7 inches on the sill, but within twelve hours rose to 40 feet 2 inches, the highest level reached, being 1 foot 8 inches higher than Commissioners and Common streets. The river was now open at and below Victoria Bridge, and on the 15th the ice was running down from Laprairie Bay. On the 16th, Lake St. Louis ice came down and filled up the river to Nun's Island, but in the afternoon the ice again began to move down at the Bridge. On the morning of the 17th open water extended some distance below Ile Ronde, and

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about noon the blockade gave way and the water fell at the rate of one foot per hour for seven hours, the channel being open.

On the breaking up of the winter ice on the river, the shoving was very heavy, and the water being high, great quantities of ice were left upon the wharfs of the harbour outside the area protected by the guard pier.

From the head of the harbour, down to the Victoria pier, the wharfs were left practically clear of ice, with the exception of a small quantity on the shore wharf in section 17 and a covering of ice over two-thirds of the length of the pier in section 18.

The following are the approximate quantities of ice left upon the wharfs:—

	Cubic yards.
Sugar Refinery Pier, Section 46.	
120 ft. by 450 ft. by 10 ft. average thickness.....	20,000
Pier, Section 43.	
650 ft. by 1y 80 ft. b15 ft. average thickness.....	65,000
Sections 41 to 37, Cotton Factory to old Rafferty ramp.	
2,200 ft by 175 ft. average by 12½ ft. average thickness... 176,759	
Sections 37 to 36, Rafferty to Denonville ramp.	
600 ft. by 150 ft. by 5 ft. average thickness.	16,666
Sections 36 to 29, Denonville ramp to Jail.	
3,600 ft. by 120 ft. average by 14 ft. average thickness....	224,000
Sections 29 to 27, Jail to Rubber Factory.	
1,300 ft. by 120 ft. average by 8 ft. average thickness....	46,222
Sections 27 to 25, Rubber Factory to Voltigeurs street.	
750 ft. by 120 ft by 9 ft. average thickness...	30,000
Sections 25 to 23, Voltigeurs street to Beaudry street.	
1,300 ft. by 170 ft. by 12 ft. average thickness.....	98,222
Sections 23 and 22, Beaudry street to Elevators.	
500 ft. by 240 ft. by 12 ft. average thickness.....	53,333
Sections 22 to 20, Elevators to Victoria pier.	
1,100 ft. by 160 ft. by 6 ft. average thickness.....	39,111
Victoria Pier, Section 20.	
Lower end, 100 ft. by 100 ft. by 15 ft. average thickness...	5,555
Inshore end, 300 ft. by 50 ft. by 6 ft. average thickness...	3,333
Patches, upper portion, aggregating	
200 ft. by 50 ft. by 9 ft. average thickness	3,333
Jacques-Cartier Pier.	
500 ft. by 100 ft. by 3 ft. average thickness.....	5,555
Shore Wharf, Section 17.	
200 ft. by 50 ft. by 2 ft. average thickness.....	740
Total approximate quantity of ice on wharfs.....	787,829

The clearing of the ice from the steamship sheds, ferry steamer berths and other places first required for use, was commenced on April 18, and practically completed by May 6. A large force of men and horses were employed, as many as 975 men and 25 carters being engaged at one time.

The cost of clearing was: Wages of men and horses and cost of tools, \$7,810.29; floating derricks, \$870.00; total, \$8,690.29.

The following are the chief items of repairs done in 1901:—

Section 5, Windmill Point.—Four hundred lineal feet of coping, and 4,460 ft. B.M. of top planking were renewed.

Sections 5 to 9, Windmill Point.—Guard fences for saving life were put up across the raceways from the Mill street factories.

Sections 9 to 11.—Access roadways were made to the lower end of the Windmill Point wharf by taking away and levelling down some of the earth spoil banks made by the Connors Syndicate in excavating the foundation pit for a proposed grain elevator,

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and by planking a part of the railway track. Wharf coping of 300 feet in length was renewed in section 10

Heavy repairs were made to the timber work of the wharf at and near the entrance of the Lachine canal. New face timbers, four courses in depth, and new ties and sleepers for the top planking were put in; 520 lin. ft. of the top planking and 245 lin. ft. of the face planking, and 338 lin. ft. of coping were renewed. A cast iron mooring post was put in near the entrance of the old lock.

Section 16.—Repairs were made to the top of the old pile wharf on the site of the former shed of the Dominion S.S. Co., namely by the addition of a course of old planking, so as to make it safe for heavy traffic until the latter part of summer when the whole wharf would be removed to make way for the harbour improvement works.

Section 18.—The downstream corner of the entire end of the Jacques Cartier pier, which was damaged by having two courses of timbers stove in by an ice shove, was repaired by renewing the timbers.

Section 20.—A new stairway for the convenience of those using small boats was made in the upstream side of the Victoria pier, at its junction with the new shore wharf, by cutting a recess 6 ft. wide in the cribwork face of the pier and building the stairway into it.

Loose plank platforms and footways leading to them were laid down at the berths of the various river steamers, as in 1900. A plank crossing was also laid from the paved part of Victoria pier to the new Victor street ramp, and a stairway built from it to the ramp for the convenience of passengers to and from the boats.

A break of 35 ft. long and about 5 ft. high, which was made in outer side of the Victoria pier by the shoving of the ice, was repaired.

Sections 23 and 24.—About 250 lin. ft. of the timber face of wharf in section 23, which had been damaged by ice, was rebuilt early in spring to a depth of 3 ft. from the top, and the roadway in rear was filled up and macadamized.

About 250 lin. ft. of the face of the wharf, in section 24, which had been damaged by ice, as in section 23, was also rebuilt in spring to a depth of 3 ft. from the top.

The cribwork at the Donaldson S.S. line berth is old, and has for several years been in weak condition by the necessity of dredging the basin in front to a considerably greater depth than is the foundation of the cribs. Piles were driven some years ago to strengthen it and retain its filling but they were much damaged by the ice of the preceding winter, and in July of 1900, after a very heavy rainstorm, about ft. in length of the cribwork canted forward out of line and the back filling settled down 3 to 5 ft. Repairs were made by driving 42 new piles, averaging 45 ft. in length each, and cutting off and securing both new and old piles to the face of the wharf at about 6 ft. above low water level, and also by anchoring the cribwork by 20 anchor bolts of 64 ft. length by 1½ ins. diameter placed at about ft. below the top level of the wharf. Both timber work and back filling were also built up to normal level and otherwise made as good as practicable.

Section 26.—The timber work of the wharf, which had been damaged by ice, was repaired by removing three courses of face timbers throughout 65 feet in length, the face planking of 411 lin. ft. and the top planking of 118 lin. ft.

Section 27.—Damages done to the wharf by the ice were made good by renewing two courses of face timbers, the coping and top planking of 30 lin. ft. The face planking was also renewed throughout a length of 264 lin. ft.

Section 28.—Damage done to the timber work of the wharf was repaired by the renewal of four courses of face timbers and some ties, throughout 151 lin. ft., the coping of 156 lin. ft., the top planking of 135 lin. ft., the face planking of 272 lin. ft., and the filling up of 140 lin. ft. of the cribwork in which the filling had sunk down some 6 ft.

Section 29.—Damages done by the ice were repaired by the renewal of four courses of face timbers, and some ties, throughout 179 lin. ft. of wharf, the coping of 229 lin. ft., the top planking of 254 lin. ft., and the face planking of 263 lin. ft.

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Section 30.—Thirty lin. ft. of the top of the wharf was re-planked.

Section 31.—Two courses of face timbers and the coping were renewed on a length of 54 ft. and the top planking on 102 ft. of the wharf.

Section 32.—Part of the wharf, which had been badly damaged by ice, was repaired by the renewal of eight courses of face timbers, throughout 100 ft. in length, the coping of 250 ft., and the replacing of some filling which had sunk down.

Section 33.—The coping of 268 lin. ft., the top and face planking of 200 lin. ft., and the wharf were renewed.

Sections 33 and 34.—The timber work of the wharf was considerably damaged by the ice, and also lowered below proper elevation by the foundation having been scoured out by strong winter currents. Repairs were made by building up the top an average of 3 ft. in height and 250 ft. in length, and renewing the top beams and planking of 287 lin. ft., and also by replacing the filling stuff which had gone down.

Section 34.—A subsidence of about 12 ft. by 12 ft. by 10 ft. in depth under one of the railway tracks was refilled and the timber and planking repaired.

Sections 35 to 38.—Much of the timber work of the wharf continued to sink, as in former years, under the tracks which carry the heavy coal towers, and also under the railway tracks. Examination by divers showed that the wharf cribs are sound, but that throughout a length of 380 ft. they have been more or less undermined by strong winter scours. Repairs were made by driving a row of piles along 168 ft. of the front, lifting 1,062 lin. ft. of tracks and blocking up the timbers and ties, replanking 468 lin. ft. of the top of the wharf and 410 lin. feet of the face, and renewing 685 lin. ft. of coping.

The timber work of the Notre Dame street side and the lower ramp, which was built in 1891, had become so much weakened by decay as to be no longer safe, and it was renewed in cedar.

Section 39.—A subsidence of the filling of the cribwork 100 ft. in length by 3 ft. average depth was filled up and the top planking renewed.

Section 40.—The timber work of the wharf, which had been damaged by ice, was repaired by the renewal of two courses of face timbers, some ties and the coping throughout 251 ft. in length, the face planking repaired and 302 lin. ft. of the top planking renewed.

Sections 42 and 43.—The shore wharf was much damaged by the ice, and repairs were made by the renewal of the top and three courses of the face throughout a length of 1,072 feet.

The pier of section 43 was much damaged by the shoving of the ice and the strong winter current of water over it. The railway tracks were more or less displaced, the macadamizing of the roadways much ploughed up and carried off, the planking and timber work of the top and of the upper side and outer end faces were ground down and broken in many places, the downstream outer corner was torn away, and the downstream face somewhat damaged also.

Repairs were made by regrading and macadamizing the whole top of the pier, the renewal of the top planking throughout about 500 lin. feet, the face planking of 205 lin. feet and 425 feet of coping. The downstream outer corner which had been torn away to a depth of 9 feet below low water, was built up to within a foot of low water level with concrete in bags, and above that with the usual cribwork and planking.

Section 46.—The pier was somewhat damaged by the winter scour and ice, and repairs were made by the renewal of 150 lin. feet of top planking and 90 lin. feet of face planking and of a large part of the coping.

General Repairs.—The roadways of the wharfs were kept in general good condition, except on the Jacques Cartier and Alexandra piers, where the filling being new and soft, keeps sinking irregularly and making depressions into which water gathers and the macadamizing is softened.

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The roadways of the shore wharf between the Canal entrance and the Victoria pier was also kept in poor condition and much reduced in available width by the work of building new wharfs on one side and the flood protection wall on the other, and by the necessary moving of the positions of the railway tracks in several places.

The stone for macadamizing was, as usual, furnished unbroken, by contractors, and broken by the Commissioners' men during the winter. The quantities used during summer for maintenance were:—

	Toises.
Sections 5 to 10.....	47
Sections 12 to 20.....	251 $\frac{3}{4}$
Sections 21 to 30.....	159
Sections 31 to 40.....	101
Sections 41 to 47.....	125 $\frac{1}{2}$
Total.....	684 $\frac{1}{4}$

The latrines, drinking troughs, wagons, water carts, barrows, life preservers, &c., were thoroughly repaired during the winter and spring.

The timber work of the wharfs, besides the larger repairs above noted, had many light repairs and was kept in good condition throughout.

Railway Tracks.—The railway tracks of the harbour, on sections 13 to 18, were moved at different places and different times in order to make room for the widening of Common and Commissioners streets, the building of the flood protection wall for the city, and the building of the new wharfs.

Electric Lighting.—The harbour lighting was continued throughout the summer by the Royal Electric Company, under the contract of 1899. Lighting was commenced on the evening of April 23, with three lamps, and a few more were added daily. On May 1, 54 lamps were in use, and the number was gradually increased to 108 lamps on the 13th, and by the 25th the whole circuit of 127 lamps was in use. Two of the lamps which were not required were taken off in August, and the remaining 125 lamps were kept in operation until the night of November 27, when the Windmill Point and Hoche-laga lights were discontinued. The lighting of the central portion of the harbour was continued until December 8, and three lights were kept burning at the Longueuil ferry wharf until December 24, when the boat ceased running.

The greatest number of lamps in use at one time was 127 and the total lighting of the season was equivalent to 25,604 lamps for one night. The total cost was \$4,009.10.

DREDGING AND DREDGING PLANT.

The dredging plant used in 1900 was all owned by the Harbour Commissioners, and it consisted of four dipper dredges, five floating derricks, one drilling and blasting boat, five tug boats, twenty-one flat deck-scows, three hopper-bottom scows, a testing boat and a floating shop. Dimensions and other particulars of the different vessels are given in the annexed tables. In addition to the plant which was used on the works, the Commissioners have the old No. 2 derrick which is not now fit for hard service.

All the dredging plant, except Dredge No. 1, was wintered afloat near the Guard pier, opposite the new workshops. Dredge No. 1, which had been hauled out for repairs at the close of navigation in 1900, was wintered on the Commissioners' hauling-out ways close to the new shops.

On April 14 the whole field of ice within the Guard pier was moved upward toward Windmill Point, and the moving field carried the dredging fleet with it a distance of about 100 feet toward the canal entrance. No harm was done to the vessels of the fleet.

The following are the principal items of repairs made to the vessels during the year:—

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The repairs to the hulls and machinery of the dredging fleet were, as usual, made by the Commissioners' own men, with the exception of some heavy machine work and forging, which were done at neighbouring shops. Iron bars and castings were procured partly in Montreal and partly in the United States. The repairs to both dredges and derricks were heavy, mainly for the reason that they were worked both day and night, and that the dredging, when not in rock, was in very tough silt, which required the utmost power of the dredges to break it up.

The dredges were served throughout the summer by the tugs *St. Peter*, *St. Louis*, *Aberdeen* and *Robert Mackay*. Service was also rendered about half the time by the *Courier* in carrying men and stores, and occasionally in towing scows, the other half of the service being given to the towing of timber for wharf building.

The dredges were somewhat delayed in getting to work in spring because of delay in giving authority to engage the crews, but all continued steadily from their dates of commencement until the close of navigation in the fall.

Dredge No. 1 worked night and day from May 9 till November 27, No. 2 from May 8 till Nov. 27, No. 3 from May 2 till Nov. 28, and No. 4 worked by day only from May 7 to Nov. 28.

The aggregate number of shifts or watches during which they were on duty on the harbour works, reckoning all days of the day dredge and all nights and days of the night and day dredge, except those of Sundays and holidays, was: For No. 1, 340 day and night shifts; for No. 2, 339 day and night shifts; for No. 3, 355 day and night shifts and for No. 4, 180 day shifts, making in all 1,214 shifts. The nominal working hours of each shift were eleven, except in spring and fall, when they were ten; and the aggregate for all the dredges throughout the season was 13,027½ hours. The aggregate of actual working time, that is the time which the dredges actually dredged, exclusive of that lost for repairs, changing positions, detention by ships, irregularities of scow service and all other causes, was 9,687¾ hours, or an average of 74.4 per cent, of the nominal working hours. The percentage of time of actual working is rather small, mainly because of the conditions incident to night work. Repairs, changing of buckets, changing of places of work, overtaking irregularities in scow service and such like, which, when working by day only could be made good by overtime, must, when working both night and day, be made good in working hours, and therefore involve detention.

Derricks Nos. 1 and 3 commenced night and day work on 25th April, clearing ice off wharfs; No. 4 commenced night and day work on 3rd May; No. 5 commenced on 7th May and worked by day only; No. 6 commenced day work on 17th May. Derrick No. 6 worked for 18 nights in August.

Day and night work was stopped on all the derricks between November 27th and 28th.

Drilling and blasting was commenced by the drill boat on 13th May and work was continued until November 23.

The total outlay for working the whole fleet, except the drill boat, was \$190,241.74, which embraces the entire cost of working the plant and machinery, including repairs, outfit, wages, salaries, management charges, insurances, allowance for depreciation of plant, and all charges, of every kind, except interest on capital. The allowance for depreciation of plant is \$17,096.24 and it includes not only the estimated depreciation of the plant in use in 1900, but that upon all the Commissioners' dredging plant whether in use or not. It is also to be noted in making comparison with previous years, that depreciation was not included in the cost of dredging in any year previous to 1899.

The cost of maintaining and working the four dredges and the tugs and scows which served them, was \$140,010.42, or an average of \$115.33 per day per dredge.

The cost of maintaining and working the five floating derricks for unloading scows was \$50,231.32, or \$35.80 average per day for 1,403 days' aggregate service.

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The following are the comparative quantities and costs of dredging and unloading for 1901 and for previous years— :

Years.	Cubic Yards Dredged.	Total Cost.	Cost per Cubic Yd.	Remarks.
		\$	cts.	
1875.....	151,719	68,979	45	
1876.....	156,082	55,462	35 ⁵⁰ / ₁₀₀	
1877.....	173,499	45,103	26	
1878.....	211,731	48,748	23	
1879.....	189,609	41,006	21 ⁶³ / ₁₀₀	
1880.....	186,430	46,914	25 ¹⁰ / ₁₀₀	
1881.....	170,764	54,128	31 ⁶⁹ / ₁₀₀	
1882.....	187,339	53,598	28 ⁶⁰ / ₁₀₀	Spoon dredges and stone lifters. Elevator dredges.
	9,429	13,254	\$1.40 ⁶⁰ / ₁₀₀	
	196,768	66,852	33 ⁶⁶ / ₁₀₀	Totals and average.
1883.....	36,358	17,956	49 ³⁸ / ₁₀₀	Spoon dredges and stone lifters. Elevator dredges ; lifting rock and boulders and clearing up.
	6,990	19,385	\$2.77 ³⁰ / ₁₀₀	
	43,348	37,341	86 ¹⁴ / ₁₀₀	Totals and average.
1884.....	125,648	49,468	39 ³⁷ / ₁₀₀	Spoon dredges and stone lifters.
1885.....	69,494	28,563	41 ¹⁰ / ₁₀₀	" " "
1886.....	57,728	25,772	44	" " "
1887.....	36,993	23,259	62	" " "
1888.....	73,150	36,690	50 ¹⁶ / ₁₀₀	" " " Elevator dredges.
	2,077	1,333	64 ¹⁸ / ₁₀₀	
	75,227	38,023	50 ⁵⁴ / ₁₀₀	Totals and average.
1889.....	205,283	54,574	26 ⁵⁸ / ₁₀₀	Spoon dredges and stone lifter. Elevator dredge.
	9,420	2,996	31 ⁸⁰ / ₁₀₀	
	214,703	57,570	26 ⁸¹ / ₁₀₀	Totals and average.
1890.....	186,670	53,674	28 ⁶⁰ / ₁₀₀	Spoon dredges and stone lifter.
1891.....	259,267	49,571	19 ¹² / ₁₀₀	Spoon dredges. Elevator dredge.
	43,290	14,232	32 ⁸⁷ / ₁₀₀	
	302,557	63,803	21 ⁸⁵ / ₁₀₀	Totals and average.
1892.....	361,947	93,595	25 ⁵⁸ / ₁₀₀	Spoon dredges.
1893.....	235,280	93,050	39 ⁵⁵ / ₁₀₀	"
1894.....	312,430	98,858	31 ⁶⁴ / ₁₀₀	"
1895.....	496,528	99,400	20 ³ / ₁₀₀	"
1896.....	401,938	103,317	25 ⁷⁰ / ₁₀₀	"
1897.....	284,844	68,211	23 ⁹⁵ / ₁₀₀	"
1898.....	456,458	61,012	13 ³⁷ / ₁₀₀	"
1899.....	963,131	100,163	10 ⁷⁵ / ₁₀₀	"
1900.....	1,323,871	163,541	12 ²⁵ / ₁₀₀	"
1901.....	1,359,221	190,242	14	"

The cost and character of the dredging in different parts of the harbour in 1901 are given below. All the quantities are either scow measurements from the tallied number of flat deck and dumper scow loads of measured average capacity, or box measurement from the tallied number of boxes placed on scows, containing four cubic yards per box.

The cost of dredging in each case includes its proportion of all the costs of maintaining and working the dredges, tugs and scows, as explained on p. 23, but does not include the cost of unloading the dredgings from scows by derricks, which is separately given.

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Sections 5 to 11, Windmill Point Basin.—Chiefly shale and trap ledge rock, partly blasted and partly unblasted, with some hard pan and mud. Total quantity dredged, 56,622 cubic yards, scow and box measurement; average cost 11.17 cents per cubic yard; depth to which dredging was done, 30 to 38 feet. Unloading the dredgings by floating derricks and filling into or behind cribwork of new wharves, 4.71 cents per cubic yard additional.

Sections 12 to 15.—Dredging sites for cribwork, widening and deepening main channel and deepening basins, depth 30 to 40 feet; quantity 790,204 cubic yards, box and scow measurement; cost 9.66 cents per cubic yard. Unloading by derrick, 4.71 cents per yard additional.

Sections 16 and 17.—Dredging foundation sites for cribwork for the new wharves, main channel past the ends of the new piers, dredging out the cribwork, pile work, crib-filling of the Island wharf and the ancient island which formed its centre, shale hard-pan, stones, silt and sand; depth 30 to 40 feet; quantity, 252,670 cubic yards, scow and box measurement; cost 9.96 cents per cubic yard. Cost of unloading by derricks, 4.71 cents per cubic yard additional.

Sections 18 and 19.—Deepening shoal places; gravel, stones and silt; 30 to 36 feet depth; quantity, 7,950 cubic yards, box and scow measurement; cost 8.4 cents per yard. Unloading by derricks, 4.71 cents per yard additional.

Sections 20 to 21.—Cleaning out steamship berths; 28 to 35 feet depth; hard-pan silt, sand and stones; quantity, 37,350 cubic yards; cost 8.40 cents per yard. Unloading by derricks, 4.71 cents per yard additional.

Sections 27 to 32.—Deepening in front of wharves in Molson's shoal; depth 30 to 35 feet; hard-pan, stones and silt; quantity, 214,425 cubic yards; cost 13 cents per yard. Unloading by derricks, 4.71 cents per yard additional.

Aggregate Dredging.—The aggregate quantity dredged at all places during the year was 1,359,221 cubic yards, box and scow measurement, and the average cost was 10.31 cents per yard. Of this quantity 293,610 cubic yards was carried and discharged by dumping scows, the cost of which is included in the dredging. The remaining 1,065,611 cubic yards was carried on flat scows, either on the open deck from which it was unloaded by clam shells and floating derricks, or in four-yard boxes which were lifted and dumped by the derricks. All the dredged stuff thus unloaded by derricks was deposited in or behind cribwork for wharf building, and on the guard pier. The average cost of the whole derrick work, apart from the scow service, was 4.71 cents per cubic yard, scow or box measurement.

Rock Blasting.—The rock drilled and blasted was Utica shale and trap, the trap being imbedded in the shale in beds, veins and pockets, in the proportion of about one-half of trap to one half shale; grade line of finished bottom, 40 feet to 32 feet below water surface at the time of working.

Working days, May 13 to November 23	161½ days
Working time per day.	11 hours
Number of holes drilled and blasted.	3,751 holes
Average depth of each hole, in rock	8.38 feet
Average depth of each hole from surface of water.	35.75 "
Average quantity of rock drilled and efficiently blasted, measured in solid to 6 inches below finished bottom.	33.396 cubic yds.
Total cost, including depreciation of plant.	\$18,468.48
Cost per cubic yard, measured in solid.	55.3 cents

Appended are tables giving additional particulars of the dredging work and dredging plant in 1901.

Yours respectfully,

JOHN KENNEDY, *Chief Engineer.*

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HARBOUR DREDGING.

STATEMENT showing the Number of days worked by each Dredge and the Quantity Dredged at each place in the Harbour of Montreal in 1901.

Dredges.	Places at which Dredging was done.	TIME OF SERVICE.		QUANTITY DREDGED.		Character of Soil.
		Days.	Total.	Cubic yards.	Total yards.	
Dredge No. 1.	Shoals and basins, sections 12 to 15.....	143		212,150		Black rock, shale, hardpan and stones. Hardpan, silt, sand and stones; some rock.
	Shoals and basins, sections 16 and 17.....	171		205,050		
	Clearing berths, sections 20 and 21.....	26	340	37,350	454,550	
" No. 2.	Shoals and basins, sections 12 to 15.....	324		423,277		Black rock, shale, hardpan, sand, &c. Silt, quicksand and stone.
	Shoals and basins, sections 16 and 17.....	15	339	18,800	442,077	
" No. 3.	Windmill Point, sections 5 to 11.	53		54,872		Black rock, shale, hardpan, mud, &c. Silt, sand and some rock.
	Shoals and basins, sections 12 to 15.....	25		26,525		
	Shoals and basins, sections 16 and 17.....	16		15,950		Hardpan, silt, sand and stones. Gravel, silt and sand.
	Shoals and basins, sections 18 and 19.....	8		7,950		
	Molson's Shoal, sections 27 to 32	253	355	214,425	319,722	Hardpan, silt, sand and boulders.
" No. 4.	Windmill Point, sections 5 to 11.	4		1,750		Black rock and shale. Hardpan, rock, stones and silt.
	Shoals and basins, sections 12 to 15.....	167		128,252		
	Shoals and basins, sections 16 and 17.....	9	180	12,870	147,872	Silt, sand and stones.
	Grand total.....		1,214		1,359,221	
Dredge No. 3.	Windmill Point, sections 5 to 11.	53		54,872		Black rock, shale, hardpan, mud, &c. Black rock and shale.
" No. 4.	" " " "	4	57	1,750	56,622	
" No. 1.	Shoals and basins, sections 12 to 15.....	143		212,150		Black rock, shale, hardpan, stones, &c. Black rock, shale, hardpan, stones, &c.
" No. 2.	" " " "	324		423,277		
" No. 3.	" " " "	25		26,525		Silt, sand and some rock. Rock, hardpan, silt and stones.
" No. 4.	" " " "	167	659	128,252	790,204	
" No. 1.	Shoals and basins, sections 16 and 17.....	171		205,050		Hardpan, silt, sand and stone; some rock. Silt, quicksand and stones.
" No. 2.	" " " "	15		18,800		
" No. 3.	" " " "	16		15,950		Hardpan, silt, sand and stones. Silt, sand and stones.
" No. 4.	" " " "	9	211	12,870	252,670	
" No. 3.	Shoals, sections 18 and 19.....	8	8	7,950	7,950	Gravel, silt and stones
" No. 1.	Clearing basins, sections 20 and 21.....	26	26	37,350	37,350	Sand, gravel, stones, timber, &c. Hardpan, silt, sand and boulders.
" No. 3.	Molson's shoal, sections 27 to 32.	253	253	241,425	241,425	
	Total.....		1,214		1,359,221	

HARBOUR DREDGING.

STATEMENT showing particulars of cost of working the different vessels employed in Harbour Dredging in 1901.

Vessels.	Repairs and Maintenance.	Fuel.	Wages of Crews.	Proportion of Salaries of Staff.	Estimated Depreciation of Plant.	GRAND TOTALS.		Service, Days or Nights.	Cost per Day or Night.
						Cost.	Total Cost.		
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.		p. c.
Dipper dredge No. 1.....	11,655 40	3,840 28	6,943 10	804 00	1,320 00	24,562 78	.....	340	72 24
" No. 2.....	8,657 71	3,649 43	6,952 92	690 82	1,580 00	21,530 88	.....	339	63 53
" No. 3.....	9,021 89	3,703 96	6,970 25	705 78	1,500 00	21,901 88	.....	355	61 09
" No. 4.....	4,096 82	2,223 93	3,784 51	362 10	2,710 87	13,178 23	.....	180	73 21
Totals.....	33,431 82	13,417 60	24,650 78	2,562 70	7,110 87	.....	81,173 77	1,214	66 86
Floating derrick No. 1.....	1,280 05	1,959 08	5,238 97	303 78	902 31	9,684 19	.....	356	27 20
" No. 3.....	1,989 68	2,126 56	5,506 77	344 76	939 98	10,907 65	.....	354	30 81
" No. 4.....	4,315 55	1,663 08	4,963 26	392 04	592 00	11,925 93	.....	322	37 03
" No. 5.....	2,907 65	910 17	4,318 27	291 79	492 00	8,928 88	.....	180	49 60
" No. 6.....	3,659 99	1,277 49	3,968 56	286 80	491 83	8,784 67	.....	191	45 99
Totals.....	14,152 92	7,945 38	23,095 83	1,619 17	3,418 02	.....	50,231 32	1,403	35 80
Tug Robert Mackay.....	1,317 96	3,228 79	4,059 41	308 30	997 66	9,892 12	.....	439	22 53
" Aberdeen.....	1,357 23	3,158 68	3,812 92	298 45	950 00	9,577 28	.....	449	21 33
" St. Peter.....	1,047 14	1,939 60	3,659 83	238 12	100 00	6,984 69	.....	432	16 17
" St. Louis.....	961 37	1,234 65	1,760 99	141 77	40 00	4,138 78	.....	237	17 46
" Courier.....	288 94	307 69	1,044 07	58 73	161 77	1,861 20	.....	228	8 16
Totals.....	4,972 64	9,869 41	14,337 22	1,045 37	2,229 43	.....	32,454 07	1,785	18 18
Scows and plant not in use.....	21,282 08	.....	.....	762 58	4,337 92	26,382 58	.....	
Grand totals.....	73,839 46	31,232 39	62,083 83	5,989 82	17,096 24	.....	190,241 74		

HARBOUR DREDGING.

STATEMENT showing Cost of Harbours Commissioners' Dredging by different Dredges, with their proportion of Tug and Scow Service for 1901.

Vessels.	DREDGE SERVICE.	TUG SERVICE.		SCOW SERVICE AND SUNDRIES.		DREDGE WITH TUG AND SCOW SERVICE ADDED.		TIME OF SERVICE.		Cost per Working Day of Dredge.		Quantity Dredged.	Average cost per cubic yard.	Additional cost for unloading by derricks.	PROPORTIONS OF MATERIALS DREDGED.	
	Cost.	Proportion of Cost.		Proportion of Cost.		Cost.		Days or Nights.		\$	cts.	c. yds.	cts.		Earth.	Rock.
	\$	cts.		\$		\$	cts.								p. c.	p. c.
Dipper dredge No. 1.....	24,562 78	9,089 30		7,388 86		41,040 94		340		120	70-7	454,550	·0903	·0471	98	02
" 2	21,530 88	9,062 57		7,367 12		37,960 57		339		111	97-8	442,077	·0859	·0471	96	04
" 3.....	21,901 88	9,490 20		7,714 84		39,106 92		355		110	16	319,722	·1223	·0471	83	17
" 4....	13,178 23	4,812 00		3,911 76		21,901 99		180		121	67-7	142,872	·1533	·0471	76	24
Total and averages.....	81,173 77	32,454 07		26,382 58		140,010 42		1,214		155	33	1,359,221	·1031	.....	91½	08½

NOTE.—For full particulars of materials dredged at different places by the various dredges, see detailed statements in the preceding report.

APPENDIX No. 3.

REPORT OF THE MONTREAL HARBOUR COMMISSIONERS FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1901.*(This report incomplete.)*REPORT OF THE HARBOUR MASTER OF THE PORT OF MONTREAL,
FOR THE YEAR 1902.

HARBOUR MASTER'S OFFICE,

MONTREAL, December 31, 1902.

DAVID SEATH, Esq.,
Secretary Harbour Commissioners,
Montreal.

SIR,—I beg to submit for the information of the Harbour Commissioners of Montreal, the following as my annual report for the year ended 31st December, 1902. Appended thereto will be found seven comparative statements showing respectively for the past ten years :

1. The number, tonnage and classification of sea-going vessels that arrived in port ;
2. Those that arrived from the Maritime Provinces ;
3. Number and tonnage of inland vessels ;
4. The dates of the opening and closing of navigation, &c. ;
5. The number and tonnage belonging to the different nationalities ;
6. The number and tonnage of vessels consigned to the different agents ;
7. Number and tonnage of sea-going and inland vessels.

From these statements it will be seen that 758 sea-going vessels arrived in port during the past season, with tonnage of 1,541,272 tons, an increase of sixteen vessels and 88,224 tons over the previous year.

Of these vessels 730 were built of iron and steel, with a tonnage of 1,533,007 tons ; and twenty-eight were built of wood, with a tonnage of 8,265 tons.

Of inland vessels there arrived 9,395, with a tonnage of 1,885,250 tons, an increase of 945 vessels, and 202,064 tons, making a grand total of vessels of all classes of 10,153 vessels, and a tonnage of 3,426,522 tons, an increase of 961 vessels of all classes, and 290,288 tons, over the previous year.

Some of the principal items of exports and imports (as obtained from the best sources of information) were :—

Exports.

LUMBER.—To the United Kingdom and continental ports :

1902.	1901.
240,472,113 feet.	222,424,850 feet, an increase of 18,047,263 feet.

LUMBER.—To the River Plate :

1902.	1901.
353,492 feet.	863,067 feet, a decrease of 509,575 feet.

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	1902.		1901.
GRAIN.—Wheat,	16,888,505 bushels.		13,594,686 bushels.
Corn,	239,792 “		4,059,790 “
Peas,	413,885 “		719,520 “
Oats,	1,931,636 “		2,453,949 “
Barley,	262,958 “		636,752 “
Rye,	878,409 “		769,298 “
Flaxseed,	330,399 “		669,634 “
Buckwheat,	163,677 “		89,453 “
Total	21,109,261 “		22,993,082 “

Showing a decrease of 1,883,821 bushels.

	1902.		1901.		
Flour.....	659,395 barrels.	524,494 barrels.	Increase ...	134,901 barrels.	
Meal.....	24,811 “	34,982 “	Decrease....	10,171 “	
Eggs.....	158,310 cases.	200,215 cases.	“	41,905 cases.	
Cheese.....	2,112,662 boxes.	1,783,031 boxes.	Increase	329,631 boxes.	
Butter.....	539,553 p'kgs.	406,862 p'kgs.	“	132,691 p'kgs.	
Apples.....	508,890 barrels.	121,528 barrels.	“	387,362 barrels.	
Cattle.....	77,193 head.	73,791 head.	“	3,402 head.	
Sheep.....	45,831 “	54,538 “	Decrease....	8,707 “	
Horses.....	549 “	7,386 “	“	6,837 “	

Imports.

	1902.		1901.		
Coal from Great Britain	85,136 tons,	83,849 tons.	Increase	1,287 tons.	
“ United States,	90,472 “	341,163 “	Decrease	250,691 “	
“ Maritime Prov.,	1,082,040 “	911,008 “	Increase	171,032 “	
Total	1,257,648 “	1,336,020 “	Decrease	78,372 “	

Of the above quantities there were discharged :

	1902.		1901.		
In the harbour.....	1,166,618 tons.	1,245,795 tons.			
In the canal.....	91,030 “	90,225 “			
Cement.....	256,081 brls.	261,416 brls.	Decrease	5,335 brls.	
Scrap iron	76,394 tons.	20,367 tons.	Increase	56,027 tons.	

NOTES.

There has been an increase of 16 ocean vessels and 88,224 tons, and an increase of 945 inland vessels and 202,064 tons making a total increase of 961 vessels of all classes and 290,288 tons, over the previous year.

As will be seen, the traffic was the largest in the history of the port, and with the very large improvements that have been carried out some inconvenience was suffered towards the close of the season, which was unavoidable, owing to the then existing circumstances.

The whole most respectfully submitted.

JAMES McSHANE,
Harbour Master.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Number, Tonnage and Classification of Sea-going Vessels that arrived in Port in the past ten years, with the dates of the greatest number in Port at one time.

Years.	Steamships.	Tonnage.	Ships.	Tonnage.	Barques.	Tonnage.	Brigs.	Tonnage.	Brigantines.	Tonnage.	Schooners.	Tonnage.	Total Number of Vessels.	Total Tonnage.	Number in Port.
1893.....	737	1,128,658	3	4,014	11	8,893	..	..	5	1,856	48	8,356	804	1,151,777	42, July 19
1894.....	684	1,079,313	3	4,324	14	9,609	..	..	5	901	28	2,762	734	1,096,909	32, May 23
1895.....	592	1,055,611	1	1,545	9	7,714	..	..	7	1,689	31	2,827	640	1,069,386	25, June 18
1896.....	669	1,200,543	5	7,350	6	4,003	..	..	9	2,052	20	2,520	709	1,216,468	37, July 29
1897.....	752	1,368,395	..	..	8	3,958	..	..	7	1,745	29	4,904	796	1,379,092	40, " 28
1898.....	830	1,567,436	2	3,023	12	10,031	..	..	5	1,478	19	2,104	868	1,584,072	42, Aug. 1
1899.....	773	1,509,668	..	..	7	3,530	..	..	3	1,048	18	3,365	801	1,517,611	39, July 29
1900.....	692	1,382,675	..	..	2	891	..	..	4	875	28	9,415	726	1,393,886	27, June 28
1901.....	707	1,438,081	..	..	4	2,240	..	..	..	..	31	12,727	742	1,453,048	25, July 8
1902.....	729	1,531,891	..	..	9	4,427	..	..	..	..	20	4,954	758	1,541,272	29, Oct. 9

JAMES McSHANE,
Harbour Master.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Number, Tonnage and Classification of Sea-going Vessels that arrived in Port from the Maritime Provinces the past ten years.

Years.	Steamships.	Tonnage.	Ships.	Tonnage.	Barques.	Tonnage.	Brigs.	Tonnage.	Brigantines.	Tonnage.	Schooners.	Tonnage.	Total Number of Vessels.	Total Tonnage.
1893.....	333	324,188	..	..	..	..	1	169	..	..	34	2,577	368	326,934
1894.....	349	362,945	..	..	3	2,323	..	..	4	609	23	2,230	379	362,107
1895.....	256	296,256	..	..	..	..	..	..	5	1,070	30	2,734	291	300,060
1896.....	252	292,880	..	..	1	178	..	..	4	734	15	1,188	272	294,981
1897.....	298	364,936	..	..	..	..	..	..	2	376	31	1,051	311	366,363
1898.....	327	372,274	..	..	..	..	..	..	..	..	14	1,397	341	373,671
1899.....	336	415,825	..	..	..	..	..	..	..	..	7	646	343	416,471
1900.....	279	352,002	..	..	..	..	..	..	1	169	15	2,564	295	354,735
1901.....	282	434,140	..	..	1	999	..	..	..	..	10	991	293	436,130
1902.....	311	466,671	..	..	..	..	..	..	..	..	11	2,063	322	468,734

JAMES McSHANE,
Harbour Master.

PORT OF MONTREAL.

COMPARATIVE STATEMENT Showing the Number and Tonnage of Inland Vessels that arrived in Port, the past ten years, with the greatest number in Port at one time.

Years.	Number of Vessels.	Tonnage.	Greatest Number in Port at one time.
1893.....	5,244	1,153,600	159, July 25
1894.....	4,666	979,809	158, May 20
1895.....	4,498	943,717	172, July 20
1896.....	4,832	1,004,117	165, June 11
1897.....	6,384	1,134,346	160, July 30
1898.....	6,941	1,807,892	200, Aug. 12
1899.....	8,877	1,899,097	216, July 28
1900.....	8,347	1,669,494	219, June 20
1901.....	8,450	1,683,186	167, June 28
1902.....	9,395	1,885,250	209, July 23

JAMES McSHANE,
Harbour Master.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the dates of the Opening and Closing of Navigation, first Arrival from Sea, and the last Departure for Sea, the past ten years.

Years.	Opening of Navigation.	Closing of Navigation.	First Arrival from Sea.	Last Departure for Sea.
1893.....	April 24....	Dec. 4. .	May 3.....	Nov. 23....
1894.....	" 12....	" 26....	April 27....	" 24 ...
1895.....	" 20....	" 6....	" 27....	" 25....
1896.....	" 22....	" 19....	" 28....	" 23....
1897.....	" 17....	" 19....	" 30....	" 24....
1898.....	Mar. 31....	" 12....	" 26....	" 28....
1899.....	April 24....	" 30....	" 27....	" 29....
1900.....	" 21....	" 10....	" 26....	Dec. 3....
1901.....	" 21....	" 10....	" 25....	Nov. 25....
1902.....	" 3....	" 4....	" 17....	Dec. 4....

JAMES McSHANE,
Harbour Master.

PORT OF MONTREAL.

STATEMENT showing the Nationality and Tonnage of Sea-going Vessels that arrived in Port during the Season of 1902, that were navigated by 30,949 Seamen.

Nationality.	Number of Vessels.	Tonnage.
British.....	556	1,200,274
Norwegian	165	285,991
German	14	28,665
American.....	20	21,369
Danish.....	2	4,453
Austrian	1	520

JAMES McSHANE,
Harbour Master.

PORT OF MONTREAL.

NUMBER and Tonnage of Sea-going Vessels, consigned to the following agents, during the season of 1902.

Number.	Names of Firms.	Steam.	Tonnage.	Sail.	Tonnage.	Total Vessels.	Total Tonnage.
1	The Dominion Coal Co.....	210	385,616	.....	.....	210	385,616
2	Elder, Dempster & Co.....	75	254,829	.....	.....	75	254,829
3	H. & A. Allan.....	74	236,360	.....	.....	74	236,360
4	The R. Reford Co.....	86	190,364	.....	.....	86	190,364
5	Furness, Withy & Co.....	47	121,573	.....	.....	47	121,573
6	McLean, Kennedy & Co.....	50	103,360	.....	.....	50	103,360
7	D. Torrance & Co.....	18	56,195	.....	.....	18	56,195
8	J. R. Ellerman.....	16	44,160	.....	.....	16	44,160
9	The Canadian Forw. and Export Co....	14	25,505	.....	.....	14	25,505
10	Masters.	25	22,119	2	1,120	27	23,239
11	J. G. Brock & Co	25	19,859	5	495	30	20,354
12	Intercolonial Coal Co.....	20	16,507	.....	.....	20	16,507
13	Hy. Dobell & Co.....	25	15,160	.....	.....	25	15,160
14	F. A. Routh & Co.....	9	11,771	3	1,129	12	12,900
15	J. R. McCarthy	7	8,158	2	584	9	8,742
16	A. Baile	6	5,946	.....	.....	6	5,946
17	F. Leyland & Co.....	3	5,150	.....	.....	3	5,150
18	Five others.....	19	9,259	17	6,053	36	15,312
	Total.....	729	1,531,891	29	9,381	758	1,541,272

JAMES McSHANE,
Harbour Master.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Number and Tonnage of Sea-going and Inland Vessels that arrived in Port, the past ten years.

Years.	SEA-GOING.		INLAND.		GRAND TOTAL.	
	Vessels.	Tonnage.	Vessels.	Tonnage.	Vessels.	Tonnage.
1893.....	804	1,151,777	5,244	1,153,600	6,048	2,305,377
1894.....	734	1,096,809	4,666	979,909	5,400	2,076,718
1895.....	640	1,069,386	4,498	943,717	5,138	2,013,103
1896.....	709	1,216,468	4,832	1,004,117	5,541	2,220,585
1897.....	796	1,379,002	6,384	1,134,346	7,180	2,513,348
1898.....	868	1,584,072	6,941	1,807,892	7,809	3,391,964
1899.....	801	1,517,611	8,877	1,899,097	9,678	3,416,708
1900.....	726	1,393,886	8,347	1,669,494	9,073	3,063,380
1901.....	742	1,453,048	8,450	1,683,186	9,192	3,136,234
1902.....	758	1,541,272	9,395	1,885 250	10,153	3,426,522

JAMES McSHANE,
Harbour Master.

APPENDIX No. 4.

REPORT OF THE QUEBEC HARBOUR COMMISSIONERS FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

(Under the Authority of the Quebec Harbour Commissioners' Act, 1899).

QUEBEC, January 2, 1903.

To the Honourable RAYMOND PREFONTAINE,
Minister of Marine and Fisheries,
&c., &c., &c.,
Ottawa.

SIR,—In compliance with the requirements of the Quebec Harbour Commissioners Act, 1899, I have the honour to report as follows on the doings of the Quebec Harbour Commissioners for the year 1902.

CHIEF ENGINEER'S REPORT,

The annexed report (marked 'A'), from the Chief Engineer, Mr. St. George Boswell, conveys information in regard to all matters coming under his care, such as the construction of new works, and the maintenance in proper order of the whole of the Commissioners' properties.

WHARFINGER'S REPORT.

The annexed report (marked 'B'), from the Wharfinger, Mr. P. Flynn, gives the usual information regarding the number of vessels using the Louise Docks, and the railway traffic over this portion of the Commissioners' property during the year 1902.

HARBOUR MASTER'S REPORT.

The annexed report (marked 'C'), from the Harbour Master, Mr. James C. Sullivan, gives information in regard to the opening and closing of navigation in the harbour, formation of ice, disposal of ballast, &c. During the past season no ballast was thrown into the river, all of it being utilized for filling purposes.

At St. Thomas, the Commissioners continue to employ the harbour master there, to supervise the discharge of ballast, and to see that the regulations concerning it are strictly obeyed.

PREMISES LEASED.

Renewals for one year of the premises leased have been given to Messrs. E. M. Lennon & Co., John S. Thom, Quebec Coal Company, A. R. Pruneau & Co., Whitehead & Turner, Joseph Gingras, Benson & Borland, and G. M. Webster & Co., for their coal yard on the north side of the embankment.

COAL DISCHARGING BERTHS.

Commissioners on the 26th April signed a lease with the Dominion Coal Company, Limited, for the new coal wharf, Inner Basin, for a term of fifteen years. Under the

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provisions of this lease, the Dominion Coal Company are bound to erect on the leased premises a discharging plant of not less than fifty thousand dollars in value, and to bring to and discharge on it not less than 50,000 tons of coal during each year of the lease.

Another similar site, adjacent to that of the Dominion Coal Company, has been granted to and accepted by the Nova Scotia Steel and Coal Company. Although the lease for this site has not yet been signed it will be so in a few days, the arrangement being practically closed; the conditions being precisely the same as those by which the Dominion Coal Company are bound.

On the 14th of February, the Vice-President of the International Coal Mining Company, accompanied by Mr. A. E. Scott, their Quebec agent, had an interview with the Commissioners, and then placed before them that company's aims in regard to the Québec coal trade, and the accommodation that they would require.

SHIPMENTS BY THE LEYLAND LINE.

The Leyland Line of steamers, running in connection with the Great Northern Railway loaded here fifteen full cargoes consisting of grain and other general products during the season of 1902. Details of these will be found in the Wharfinger's report.

It is expected by the Commissioners that this direct trade will be greatly increased during the coming season and that the two elevator berths will be fully occupied.

GREAT LAKES AND ST. LAWRENCE TRANSPORTATION CO.

On the 4th of January, Commissioners came to a provisional agreement with Capt. A. B. Wolvin, of Duluth, Minn., or company to be organized by him, in regard to that gentleman's making Quebec the terminal and transshipping point for his fleet of lake vessels, inaugurating therewith ocean steamer connection, and shipping from Quebec at least 60,000 tons of freight during each season of navigation, twelve months' delay being allowed to Capt. A. B. Wolvin or company, to complete arrangements. A company has been formed by Capt. A. B. Wolvin, called the Great Lakes and St. Lawrence Transportation Company, and the Commissioners expect that during the coming season, this company will utilize to the fullest extent the advantages granted to them.

COLD STORAGE WAREHOUSES.

The Commissioners have purchased from the Quebec Cold Storage and Warehouses Company, their plant and buildings, taking possession of same 1st of May last. The receipts over the operating expenses for the eight months that they have been worked by the Commissioners, show a surplus of \$1,123.93.

EXTENSION OF HARBOUR IMPROVEMENTS.

In March a special committee consisting of the chairman (Mr. J. B. Laliberté), Honourable John Sharples, Mr. N. Rioux and Mr. Etienne Dussault, accompanied by the Secretary and the Chief Engineer, proceeded to Ottawa, to place before the Honourable the Premier and his colleagues, the additional facilities required in Quebec for harbour improvements to accommodate the present and incoming trade. The Commissioners had an interview with the Premier and his colleagues, the Minister of Public Works, Minister of Justice and Solicitor General, Mr. Edwards, M.P., and Mr. Demers, M.P., for Levis County, being also present.

The committee placed before the Premier and the other members of the Government clearly and fully the requirements of Quebec in the way of extension of the harbour improvements. At the request of the Honourable the Minister of Public Works, the Chief Engineer (Mr. Boswell) remained in Ottawa to go into the details of the various schemes submitted, with the engineers of his department.

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As an outcome of this visit and during the session of 1902, \$100,000 was voted for the purpose of further improvements in the harbour of Quebec.

The Commissioners intend to continue to press upon the Government, the necessity for an immediate extension to the harbour accommodation in Quebec, which has proved inadequate for the present demands.

BY-LAWS.

The Commissioners' by-laws dealing with the regulations for the government of the Harbour and Port of Quebec, and numbered from 1 to 100 inclusive, were approved by the Governor General in Council on the 12th of March and came into force by publication in the 'Canada Gazette' of Saturday, March 29.

Since then two more by-laws have been passed by the Commissioners and have received the necessary sanction and publication to give them effect, viz., No. 101, prohibiting smoking in the Commissioners' landing sheds, and fast driving over the Cross-wall draw-bridge, and No. 102, changing the coal regulations.

REPAIRS TO PROPERTIES.

Careful attention has been paid during the year to the various properties of the Commissioners to maintain and bring them up to a first-class condition.

Details will be found in the Chief Engineer's report.

EXPENDITURE ON CAPITAL ACCOUNT.

Particulars as to the expenditure on capital account will be found on a statement accompanying this report. The largest items under this heading are the new stores Nos. 21 and 22, which out of a total expenditure of \$39,286.95, consumed \$34,920.33. See Chief Engineer's report for details.

REVENUE AND EXPENDITURE.

The revenue of the Commissioners for the year 1902 has been \$94,770.64, an increase of \$11,101.55 over that of 1901, and the expenditure (including the interest on \$350,000.00 of First Preference Bonds) \$73,161.27, leaving a surplus, which includes the \$13,845.48 charged to the Department of the Interior for the ground occupied for immigration purposes of \$21,609.37.

DEATH OF THE HONOURABLE R. R. DOBELL.

The Commissioners have to record with feelings of the profoundest regret the death of the senior member of their Board, the late Honourable R. R. Dobell, M.P., P.C.

Mr. Dobell was first elected in 1873 to represent the Board of Trade on the Commission and since that time and up to the date of his lamented death had been continuously re-elected to represent the interests of that most important Corporation.

During his long term of office Mr. Dobell by his intimate knowledge with all matters connected with the shipping and commercial interests of this port, rendered the Commissioners and the community at large most valuable service.

ELECTION BY BOARD OF TRADE.

At the meeting of the Commissioners held on the 23rd of January, a letter was received from the Secretary of the Board of Trade notifying that at a special meeting of their Council held that day, that their President, George Tanguay, Esq., M. P. P.,

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had been elected as their representative on the Quebec Harbour Commission to complete the unexpired term of the late Honourable R. R. Dobell.

ACTING CHAIRMAN.

During the absence in Europe of the Chairman (Mr. J. B. Laliberté), Mr. Narcisse Rioux was the presiding officer, having been unanimously elected by the Board as Acting Chairman.

ICE CUTTING.

During the winter of 1901-1902, 91,948 blocks of ice have been cut for local use.

Care has been taken that all this ice cut for domestic purposes is perfectly pure and taken from localities in the harbour that have been selected after an analysis of the ice had been made.

To this report are annexed the various statements conveying the information yearly forwarded to your department in connection with the harbour, as also a complete statement of the Commissioners' accounts for the year.

I have the honour to be, sir,

Your most obedient servant,

JAS. WOODS,

Secretary-Treasurer.

A.

HARBOUR ENGINEER'S OFFICE,

QUEBEC, January 2, 1903.

JAMES WOODS, Esq.,
Secretary-Treasurer,
Harbour Commission,
Quebec.

SIR,—I have the honour to submit, herewith, the following, with reference to the various works in connection with the maintenance and improvement of the harbour of Quebec, executed during the year 1902.

NEW WORK.

A timber framed freight shed, sheathed with galvanized iron, and having a floor area of 20,500 superficial feet, has been erected on the Point-à-Carcy extension pier. This shed was constructed in conjunction with the new grain conveyor, built along the river face of the Point-à-Carcy wharf, and connected by a cross gallery, with the Great Northern elevator.

The portion of the grain gallery running down the river front of the Point-à-Carcy extension, is supported on the roof of the new shed, in order to keep the wharf surface, between the face of the shed and the quay front, clear of supports.

The work of building the foundations, consisting of pile driving raising face of extension pier, constructing, repairing cribwork, &c., as also the preparing of the framing of shed, was begun in April; the actual erection was commenced during the first week in May, and the building was ready for use early in August.

Owing to the fact that salt, cement and other heavy goods, were apt to accumulate in the landing sheds, the Commissioners decided to have a building erected in which such articles could be stored for a limited time. A building for the above purpose has consequently been erected on the north face of the embankment, near the Immigration Building. This store has a floor area of 21,200 superficial feet. The erection was begun in May, and by the middle of August the building was ready for use.

GENERAL.

The railway tracks, at the eastern end of the Embankment Shed No. 20, have been so arranged as to afford an exit from either end of shed. To accommodate the travelling cranes of the St. Lawrence Terminal Co., a duplicate track has been laid down between the face of this shed and the quay front, and a special track has been placed on the cross-wall.

Seven of the cast iron posts, on the Tidal Harbour quay front, have been removed and replaced by mooring rings, to allow of the passage of these cranes.

Road crossings have been laid down between the carriage roadway and the 21 shore doors of the Embankment Shed No. 20.

Twelve C. iron mooring posts have been placed in the quay wall of the wet dock, and two on the river face of the break-water, to replace wooden ones.

Extensive repairs have been made to the railway tracks reballasted on the embankment, some 2,000 ties having been renewed, new switch timbers put in, and the tracks reballasted throughout.

The railway line along the northern cribwork has also been protected by stone pitching placed between the track and the coping of cribwork. The entrance gates to

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wet dock have been repaired and painted, and provided with an additional set of elm fenders.

The carriage roadway has been macadamized and kept in good order.

The roofs of sheds Nos. 13 and 14 have been repaired and painted.

A new foundation has been placed under the weigh house at Messrs. Madden & Son's coal yard ; and generally, the whole of the Louise Embankment property has been kept in a good state of repair.

The railway tracks on the Point-à-Carcy extension pier have been taken up and relayed, so as to bring the cars along side the stone face of the new shed, with the car and shed floors on the same level ; a roadway has also been laid down on this pier.

The flooring of the bond store No. 2, on the Point-à-Carcy wharf, has been raised up, so as to bring it above the reach of the highest tides.

The dwelling house occupied by the bridge engineer, on the Commissioners' wharf, has been repaired ; the repairs consisting, in building up the rear brick wall, renewing the foundations under two of the side walls, renewing the flooring of the first flat, and repairing and painting roof.

Repairs to the surface planking of Reynards, Marmets, Atkinson's and the East India wharfs have been effected, and new fenders placed on the face of the Wellington wharf.

The Commissioners' dredge was loaned during a part of last season to the Quebec and Lake St. John Railway Company, for the purpose of dredging out a foundation for the cribwork block, which the railway company intend placing at the eastern end of their terminal property, facing on the wet dock. The dredge was engaged at this work, from the first week in July until the second week in September, after which date she was replaced by the Government Dredge No. 6, which continued the work until the close of the season.

During the remainder of the summer the Commissioners' dredge was employed removing deposits in the tidal harbour and wet dock ; while at this work in the tidal harbour, she removed from the bottom of the basin two large pieces of ships' iron framing and plating, probably some of the remains of the wreck of the *Wylo* and from the wet dock, the remains of a sunken wooden barge, which had been carried up against the face of the new coal crib, and formed a dangerous obstruction at this berth.

The Government Dredge No. 6 from the opening of navigation, until the time she was loaned to the Quebec and Lake St. John Railway Co., was engaged in deepening the entrance of the tidal harbour ; and although only able to work at extreme low tide, has succeeded in deepening the entrance by some six (6) feet.

The cross wall draw-bridge was operated for the first time the past season on April 3 and for the last time on December 6. The water was retained in the wet dock for the first time on April 24 ; and for the last time on December 4, on which date the gates were allowed to remain open, and were secured for the winter.

The tide not having risen sufficiently for the purpose, the entrance gates to wet dock were not opened the morning tide of October 10.

I have the honour to be, sir,
Your obedient servant,

(Sgd.) ST. GEO. BOSWELL,
Chief Engineer.

B.

QUEBEC, January 2, 1903.

JAMES WOODS, Esq.,
Secretary-Treasurer,
Harbour Commissioners,
Quebec.

SIR,—I have the honour to submit the following with reference to the traffic of the St. Charles' docks and wharfs.

During the past season sixty-eight (68) ocean mail steamers of two hundred and sixty-three thousand, seven hundred and forty-eight (263,748) tons register used the docks for landing immigrants, baggage, etc., and nine hundred and fifty (950) tons of western freight.

One hundred and sixteen (116) steamships of four hundred and one thousand five hundred and seventeen (401,517) tons register landed eighteen thousand and fifty-three (18,053) tons of general cargo.

Nineteen (19) steamships of twenty-two thousand eight hundred and thirty-five tons (22,835) register landed five thousand and eighteen tons (5,018) salt and one thousand nine hundred and thirteen (1,913) tons of cement.

Nine (9) sailing vessels of two thousand two hundred and twenty-three (2,223) tons register landed two thousand six hundred and seventy (2,670) tons of molasses.

Thirty-seven (37) steamships of fifty-three thousand one hundred and thirty-three (53,133) tons register landed eighty-one thousand four hundred and ninety-six tons (81,496) of coal.

Twenty-seven (27) barges of twenty-seven thousand one hundred and thirty-five (27,135) tons register landed thirty-two thousand nine hundred and ninety-four (32,994) tons of coal.

Four (4) lower port steamships of nine hundred and seventeen (917) tons register landed seven hundred and fifty (750) tons of coal.

Twenty-four (24) American barges of twenty-four hundred and sixty-nine tons (2,469) register landed four thousand and fifty (4,050) tons coal.

Fifty-three (53) lower port steamships of twelve thousand three hundred and forty-one (12,341) tons register, landed and shipped two thousand and fifty-five (2,055) of general cargo.

Forty-five (45) schooners and bateaux, landed one hundred and thirty-eight thousand five hundred and ninety-seven (138,597) railway ties.

Thirty-two (32) schooners of one thousand six hundred and ninety-six (1,696) tons register, landed and shipped twenty-two hundred and seventy-six (2,276) cords of pulp-wood.

Six (6) steamers of fifteen thousand six hundred and ninety-one (15,691) tons register loaded full cargoes of lumber.

Three (3) sailing vessels of two thousand eight hundred and ninety-five (2,895) tons register loaded full cargoes of lumber.

Thirteen (13) steamers of thirty-four thousand eight hundred and ten (34,810) tons register loaded twenty-four thousand eight hundred and ninety-six (24,896) tons of pulp.

Twenty-eight (28) steamers of seventy-nine thousand nine hundred and ninety-three (79,993) tons register load part cargo of lumber, etc.

The Leyland Line Company Limited have shipped from the port of Quebec during the season as follows :—

Fifteen steamships of sixty thousand one hundred and fifteen (60,115) tons register.

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Shipped one million five hundred and eighty-seven thousand four hundred and nine (1,587,409) bushels of wheat.

Forty-two thousand four hundred and sixty (42,460) bushels of oats.

Six hundred and seventy-five (675) sacks of wheat.

Two hundred and eighty-three thousand four hundred and twenty-nine (283,429) sacks of flour.

Eleven thousand six hundred and six (11,606) sacks of oilcake.

Five thousand seven hundred and ninety-seven (5,797) standard of deals.

One thousand three hundred and eighty-one (1,381) standard shooks.

Eight thousand five hundred and twenty-three (8,523) cases of splints.

Two thousand six hundred and seventy-one (2,671) cases of blocks.

Twelve thousand seven hundred and seventy-four (12,774) bags of asbestos fibre.

Twenty-two thousand nine hundred and fifty-eight (22,958) doors.

Four hundred and forty-four (444) bundles of doors.

Two thousand three hundred and forty-nine (2,349) bundles of mouldings.

Two hundred and two (202) cases bottle tops.

One hundred and thirty-eight (138) brls. of pickets.

One thousand one hundred and forty-one (1,141) bales of wood pulp.

One thousand and ninety-seven (1,097) brls. of hardwood lumber.

Two hundred and eighty (280) bags of peas.

Eight thousand one hundred and fourteen (8,114) pieces of hardwood lumber.

Fourteen thousand three hundred and forty (14,340) cases canned salmon.

One hundred and sixty-one (161) packages of furniture.

Six hundred and eight (608) brls of salmon oil.

Twelve thousand two hundred and twenty-nine (12,229) packages of butter.

Four hundred and thirty-two (432) bales of hops.

Four thousand five hundred and eighty-four (4,584) cases of goods.

Three thousand two hundred and ninety-nine (3,299) bags of asbestos sand.

Two thousand and two (2,002) bags of crude asbestos.

One thousand three hundred and sixty-one (1,361) rolls of paper.

Nine thousand four hundred and sixty-eight (9,468) bundles of pulp board.

Ten thousand six hundred and nine (10,609) bundles of pulp.

One thousand (1,000) pails of lard.

Twelve thousand five hundred and fourteen (12,514) boxes of cheese.

Forty thousand five hundred and thirty-nine (40,539) bales long hay.

One hundred and thirty-nine thousand seven hundred and seventy (139,770) bales compressed hay.

Eighteen thousand three hundred and seventy-eight (18,378) quarters of beef.

Nineteen thousand seven hundred and four (19,704) boxes of provisions.

Five hundred and thirty (530) cases wax.

Three thousand three hundred and eighty-five (3,385) head of cattle.

One thousand four hundred and eighteen (1,418) head of sheep.

Two (2) horses.

One hundred and thirty-four (134) packages of sundries.

Two hundred and forty-three (243) brls. of wax.

VESSELS IN DISTRESS USING THE DOCKS.

SS. *Sahara*.—Having been aground on the north-west reef at Bic, came into the dock for survey, and after transshipping a part of her cargo of rice proceeded to Montreal.

SS. *Indiana*.—Having struck on Baul island, on the north shore of the St. Lawrence (below Quebec), came back to Quebec and discharged her cargo, and after holding a survey went into the graving dock at Levis to be repaired, after which she reloaded and proceeded to sea.

SS. *Manchester Importer*.—Having struck on the north side of White Island reef came back to Quebec, discharged a part of her cargo, and after repairing, reloaded and proceeded to sea.

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SS. *Tiger*.—Having been in collision with the ss. *Hilda* and having received considerable damage, came into the dock and discharged her full cargo, after which she went to Davies' slip, and after being repaired, reloaded and proceeded to sea.

SS. *Hilda*.—Having been in collision with the ss. *Tiger* came into the dock to hold a survey, after which she proceeded to Montreal to make repairs.

SS. *Manchester Engineer*.—Having struck on Serpent rock about six (6) miles below Fame Point, came alongside Point-à-Carcy wharf and after transhipping a small quantity of coal proceeded to Montreal.

SS. *Iberian*.—Having struck ground at Red Island came to Point-à-Carcy wharf and landed her inward cargo, after which she went into the dock to be surveyed, and having been found very much damaged was placed in the graving dock at Levis to be repaired this winter.

SS. *Loango*.—Having touched bottom when off Cape Rouge on her way down from Montreal, came into the dock and discharged a part of her cargo ; repaired, reloaded and proceeded to sea.

SS. *Sicilian*.—When about one (1) mile below Bellechasse struck some obstacle in mid-channel, came back to the dock unloading a part of her cargo, after which she was temporarily repaired, reloaded and proceeded to sea.

During the past season, the different ocean mail steamers landed thirty-nine thousand (39,000) steerage passengers at the Immigration Station, Louise Docks, who were forwarded to their future homes by the Canadian Pacific Railway Company.

No record has been kept of cabin passengers.

The surface traffic has required the employment of eight thousand nine hundred and sixty-six (8,966) cars, being an increase of seven hundred and sixteen (716) on the previous year.

There are wintering on the Louise Docks twenty thousand three hundred and forty-nine (20,349) Quebec standard of lumber, besides coal, railway ties, timber, &c.

There are stored in the different freight sheds salt, cement, flour, pulp, &c., &c., which the owners are obliged to remove before the opening of navigation.

The docks are used from the 30th November for wintering a large number of vessels of various tonnages, where they find safe quarters to the opening of the navigation.

I have the honour to be, sir,
Your most obedient servant,

P. FLYNN,
Wharfinger.

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C.

QUEBEC HARBOUR COMMISSIONERS' OFFICE,

QUEBEC, January 2, 1903.

JAMES WOODS, Esq.,
 Secretary-Treasurer,
 Harbour Commission,
 Quebec.

SIR,—I have the honour to submit the following report, with reference to the harbour for the year 1902.

Navigation was open in the harbour all winter.

Local navigation from the Lower St. Lawrence was opened by the arrival of schooner *Marie Flora*, Capt. Gagné, which arrived in the harbour (light) on March 21.

The ice in the wet dock and tidal basin broke up on March 28.

SS. *Douro*, first coasting steamer left the harbour with passengers and general cargo for the North shore, Gulf St. Lawrence, on April 3.

Navigation from all parts of the Lower St. Lawrence was open on April 4.

The Government revenue cutter ss. *Constance* left for the Gulf St. Lawrence on April 7.

SS. *Savoy* left for Anticosti with passengers and a full general cargo on April 6.

All local pontoons were placed in the harbour on April 14.

SS. *Douro* arrived in the harbour from the north shore, Gulf St. Lawrence, with passengers and general cargo on April 9.

SS. *Fremona* the first ocean freight steamer of the Mediterranean ports, arrived and anchored in the harbour on April 13, to await the buoys being placed on the river between Quebec and Montreal.

Passenger ss. *Quebec* of the Richelieu and Ontario Navigation Co., arrived in the harbour from Montreal on April 15.

Royal mail tender ss. *Rhoda* left the harbour for Rimouski on April 16.

SS. *Carolina* first Richelieu and Ontario Navigation Co., left for the Lower St. Lawrence with passengers and general cargo on April 16.

SS. *Lake Simcoe*, first passenger and freight steamer from sea, arrived in the harbour on April 24, and moored at breakwater.

SS. *Parisian*, first ocean Royal mail and passenger steamer arrived in the harbour on April 26, and moored at the breakwater.

Coal hulk *Grandee* with coal cargo arrived in the harbour and was berthed on the wet dock on April 27.

The first sailing vessel bktn. *Mary Hendry*, from Barbadoes, arrived in the harbour on May 9.

First ballast vessel from sea, bark *Hifhi*, arrived in the harbour on May 26.

SS. *Polino*, coal laden, arrived in the harbour on May 30, went into wet dock to discharge.

SS. *Lake Simcoe*, first ocean steamer, (outward) left the harbour for sea on May 1, with passengers and freight.

First ocean Royal mail steamer ss. *Parisian*, left the harbour for sea on May 3.

H. H. S. *Ariadne* and *Indefatigable* arrived and anchored in the harbour on August 22.

Three ballast ships discharged six hundred and fifty tons (650) of ballast, subdivided as follows :

Government wharf Lévis.....	200 tons clay.
Louise Basin.....	300 " stone.
Point-à-Carcy.....	150 " stone clay.

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No ballast was discharged into the harbour during the last season.

In addition to the routine work of the harbour and office, three hundred and sixteen (316) ocean sea-going steamers have been berthed in the Louise Docks, Break-water and Point-à-Carcy wharfs.

The cost of obtaining this ballast has been one hundred and five dollars and fifty cents (\$105.50), or about 16 $\frac{1}{4}$ cents per ton.

The harbour regulations have been distributed to all vessels using the harbour during the season of navigation and the carrying out of their provisions attended to.

The limits of the clear water space, opposite the city where the telegraph and Telephone cables are laid, are indicated at night by red light and in day time by sign-boards on both sides of the river.

The last sailing vessel, bark *Arabia*, left the harbour under sail on 28 November.

The last ocean Royal Mail ss. *Pretorian*, left the harbour on 16 November.

The SS. *Saguenay* of the Richelieu Ontario Navigation Company, made her last trip to the Saguenay on November 15.

The SS. *Canada* of the Richelieu and Ontario Navigation Company, made her last trip between here and Montreal on November 28.

The last ocean freight steamer ss. *Polino* arrived in the harbour on the 2nd December and went into Louise Basin to discharge.

The last ocean passenger and freight steamer ss. *Sicilian*, left the harbour on December 2.

SS. *St. Andrew*, last ocean freight steamer, left the harbour on December 4.

All vessels wintering in the wet dock and tidal basin were in their respective berths on December 7.

The ice in the tidal basin and wet dock formed on December 7.

The ice in the St. Charles river formed on the December 9.

The ice in the north channel connecting the Island of Orleans with north shore formed on December 12.

Notices have been posted in suitable localities warning parties from discharging rubbish of any kind, into the harbour, docks, &c., and every precaution is being taken to prevent any violation of the regulations of the Commissioners in that respect.

I have the honour to be, sir,

Your most obedient servant,

JAS. C. SULLIVAN,
Harbour Master.

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Due by and charged to the Department of the Interior for rental of ground occu- pied for immigration purposes	13,845 48	21,609 37
		94,770 64

JAMES WOODS,
Secretary-Treasurer.

QUEBEC, January 2, 1903.

STATEMENT of Assets and Liabilities, per Balance Sheet of Date.

1902.	ASSETS.	\$	cts.	1902.	LIABILITIES.	\$	cts.
Dec. 31.	Real Estate--			Dec. 31.	Quebec harbour debentures.....	3,612,802	42
	St. Charles docks and wharfs.....	4,061,047	73		First preference bonds.....	350,000	00
	East India wharf.....	48,896	64		Interest to January 1, 1903, on \$150,000		
	Atkinson's ".....	51,103	20		of Preference bonds.....	3,000	00
	Grand Trunk ".....	15,740	32		Receiver General of Canada.....	43,380	00
	Reynar's ".....	9,918	29		Shareholders of Quebec--		
	Wellington ".....	86,541	85		Cold Storage and Warehouse Co.....	20,000	00
	Cold storage plant.....					4,029,182	42
	New deck scow.....				Surplus, composed as follows--		
	Hopper barge.....	5,609	28		Beach and deep water lots.....	55,461	87
	Steam crane dredge.....	5,105	21		Profit and loss.....	607,009	82
	Pile driver.....						
						662,471	69
	In re Beach and Deep Water Lots--						
	Capital and debit sundries.....	34,793	70				
	Arrears of interest to June 24.....	6,823	23				
	" " Dec. 24.....	882	12				
	Rents, Wharfage, &c.--						
	Due by sundries, as per balance sheet.	16,539	08				
	Rentals for November and December..	1,766	63				
	Cold storage accounts.....						
	Cash--						
	On hand.....	1,570	11				
	In La Banque Nationale.....	64,536	24				
	Dominion Government--						
	Unsettled claims.....						
	Steel rails.....	2,411	30				
	Broken stone.....	300	00				
	Railway ties.....	437	50				
	Jackscrews.....	394	87				

Tools.....	3,592 28		
Anchors.....	264 38		
Carbolineum..	45 00		
Office furniture.....	3,782 12		
Bills receivable.....	1,686 32		
	4,691,654 11		4,691,654 11

MEMO.—The arrears of interest on Government debentures is not included in this statement.

HARBOUR COMMISSIONERS' OFFICE,
QUEBEC, January 2, 1903.

JAS. WOODS,
Secretary-Treasurer.

We hereby certify that we have examined the statement of assets and liabilities of the Quebec Harbour Commission for the year 1902, and we find same in all particulars the true position of the Trust at that date.

QUEBEC, January 3, 1903.

L. A. BERGEVIN,
ALEX. J. MESSERVEY, } *Auditors.*

L. A. BERGEVIN,
ALEX. J. MESSERVEY, } Auditors.

QUEBEC, February 6, 1903.

QUEBEC HARBOUR COMMISSION.

COMPARATIVE STATEMENT of the Revenue of the Commissioners for the years
1901 and 1902.

	1901.	1902.	Difference in 1902.	
	\$ cts.	\$ cts.	\$ cts.	
Tonnage dues.	9,296 33	9,098 88	197 45	Decrease.
Import "	4,872 86	4,679 35	193 51	"
Export "	5,500 69	6,593 10	1,092 41	Increase.
Harbour "	2,164 25	2,516 21	351 96	"
Earnings of docks, wharfs and stores.	56,769 43	63,204 85	6,435 42	"
Cold storage.		5,184 25	5,184 25	"
Beach and deep water lots.	1,202 76	1,131 62	71 14	Decrease.
Interest.	3,862 77	2,354 38	1,508 39	"
Sundries		8 00	8 00	Increase.
	83,669 09	94,770 64	11,101 55	Increase.

JAS. WOODS.
Secretary-Treasurer.

QUEBEC, January 2, 1903.

EXPENDITURE ON CAPITAL ACCOUNT DURING THE YEAR 1902.

St. Charles docks and wharfs	3,030 86
New freight shed, Point-a-Carcy extension, No. 21.	21,903 22
Salt shed, No. 22.	13,017 11
Cold storage warehouse	372 98
Embankment freight shed, No. 20	461 51
Pile driver	210 34
Office furniture	58 79
Tools	232 14
	<u>\$39,286 95</u>

JAS. WOODS,
Secretary-Treasurer.

HARBOUR COMMISSIONERS' OFFICE,
QUEBEC, January 2, 1903.

APPENDIX No. 5.

THREE RIVERS HARBOUR COMMISSIONERS' REPORT FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

HARBOUR COMMISSIONERS' OFFICE,

THREE RIVERS, February 3, 1903.

SIR,—I have the honour, by the direction of the Harbour Commissioners of Three Rivers, to forward herewith, for the information of the Honourable the Minister of Marine, statements of receipts and disbursements of the Commission for the year ending December, 31, 1902.

I have the honour to be, sir,

Yours respectfully,

GEORGES BALCER,

Secretary.

F. GOURDEAU, Esq.,

Deputy Minister of Marine and Fisheries,
Ottawa.

COMMISSIONERS :

ALEX. HOULISTON, Esq., Chairman.

R. S. COOKE, Esq.,

HENRY E. HART, Esq.

N. L. DENONCOURT,

R. W. WILLIAMS, Esq.

GEORGES BALCER, Secretary.

With 21 steamers more than in 1901 and an increase of 33 per cent in the revenue of the harbour, the season 1902 again confirms the views expressed for years:—that with even moderate improvements and relying solely on our own resources, the traffic of the port is liable to develop to an extent totally unknown to the generality of the public. And yet great as the development has been of late, only a very small fraction of the products of the newly established industries in our vicinity can make use of our port, as much on account of the persistent absence of proper railroad facilities to reach the nearest deep-water wharves, as to the insufficiency of accommodation for handling a great variety of traffic.

When we consider that with every additional 400 or 500 feet of wharf and some minor improvements, we have been able to gradually supply the shipping to the extent above mentioned—is it exaggerating to assume that as soon as the 2,000 feet of new wharf, actually under construction by the Department of Public Works, is completed; when a number of sheds and bins with modern plant are erected, and the projected wharf extension has reached Windmill Point—when the south shore portion of the harbour, connecting the port with the Grand Trunk system and Intercolonial Railway, has received its legitimate due—our traffic will double and triple without in the least calculating or depending upon a trade from outside sources.

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But in view of the phenomenal development of the resources of the Dominion the rapid increase in the production of the country, particularly the North-west, necessitating more than ever adequate outlet facilities—will not the port of Three Rivers, situated at the *head* of the natural deep-water navigation and *below* Lake St. Peter, with the 50 feet deep main channel running a few cable lengths from its wharfs—come in for its share and form one of the necessary links in the St. Lawrence transportation problem?

Is it unreasonable to expect—when a more vigorous policy of improvements for an ‘entirely Canadian route’ will have been adopted and the harbour is supplied with the required accommodation—the shipping, foreign as well as national, will seek our port for traffic in general, but more particularly for the export of cattle and livestock, when neither Montreal nor Quebec will be able to meet all the wants for the coming traffic?

At all events and without further dwelling upon a subject so often debated, we may mention that neither our exports nor imports have lessened during the year 1902, on the contrary.

Although now prevented by the new customs regulation to give full particulars, our direct exports, to Great Britain and other European countries figure with over 2 million dollars including 35 million feet lumber worth over \$500,000 and pulp and paper worth about 1 million dollars

Direct exports to the United States reached over \$800,000, consisting chiefly in lumber, pulpwood, pulp, aluminum, asbestos, &c.

As to indirect exports, our dairy produce, cheese and butter and other agricultural products are constantly on the increase.

Our imports follow in the same ratio.]

GEORGES BALCER,
Secretary.

THREE RIVERS, March 30, 1903.

Receipts and Disbursements of Harbour Commission of Three Rivers for the year 1902.

RECEIPTS.

COLLECTION OF HARBOUR DUES.													PROCEEDS FROM.		
MONTHS.	Commissioners' Office.						Custom House.					Sale of debentures.	Notes issued.	Other sources.	
	Tonnage dues on vessels.	On Goods.		Com-mutation.	Rent of wharf and moorage.	Tonnage Dues.	On Goods.		Moorage dues.						
		Inwards.	Outwards.				Inwards.	Outwards.							
January.	\$ 2 00	\$ 15 31	\$ 63 24	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	
February.	184 40	29 56				0 50							2,500 00	Deposit in Bank	6,278 02
March.	17 70		44 76			74 00									
April.	23 19		90 46	8 75		9 23									
May.	18 29	0 10	13 88	1 50		11 33							3,000 00		
June.	1 93	1 30		101 50		30 30		1,500 00							
July.	13 92	1 97	18 05			36 51							3,500 00		
August.	4 68	4 65	6 32	1 50		3 60									
September.	108 06	110 80	1 55	1 50		4 50		1,000 00	2,000 00	500 00					
October.	5 82	8 10	3 60			1 90									
November.	11 88	16 10	21 53	16 43		64 35		1,000 00	500 00				1,000 00		
December.	154 85	224 12	320 10	662 00		230 00		1,314 83	97 66	216 80					68 22
	546 72	411 95	583 49	793 18		466 22		4,814 83	2,597 66	716 80			10,000 00		6,346 24

RECAPITULATION.

Commissioners' office—	
Tonnage dues	\$ 546 72
Harbour dues, inwards.	411 95
" outwards.	583 49
Commutation	793 18
Rent of wharf and moorage.	466 22
	\$ 2,801 56

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Custom-house—		
Tonnage dues.....	\$ 2,721 02	
Harbour dues, inwards... ..	4,814 83	
" outwards.....	2,597 66	
Moorage.....	716 80	
	<u>\$ 10,850 31</u>	
Total collection.....		\$ 13,651 87
Proceeds from--		
Sale of debentures.....	\$ 10,000 00	
Interest on deposits.....	68 22	
	<u>10,068 22</u>	
Deposit in bank and cash, January 1, 1902.....	6,278 02	
	<u>\$ 29,998 11</u>	
Total receipts.....		\$ 29,998 11

RECEIPTS AND DISBURSEMENTS OF HARBOUR COMMISSION OF THREE RIVERS, &c.—*Concluded.*

DISBURSEMENTS.

EXPENSES FOR ADMINISTRATION.							DISBURSEMENTS CHARGEABLE TO.						
MONTHS.	Current expenses.	Salaries and commissions.	Rent.	Printing and stationery.	Travelling and other expenses.	Refunds.	Engineer's office.	Repairs and general harbour expenses.	Construction account.	Plants and tools.	Property account.	Interest account.	Divers.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
January.	39 74	172 33	50 00						2,124 40				
February.	29 25	177 33						28 00	125 30			3,464 59	712 50
March	16 60	137 33						21 60	163 25				
April.	22 81	40 00	50 00				4 10	58 40	223 27				
May	24 30	358 66		22 00	L Ex.			447 09	2,796 82			25 00	
June.	28 30	179 33		0 50	40 00			72 98	82 65				
July	30 16	179 33	50 00	4 88	L 77 00			75 65	78 30			3,625 00	740 00
August.	16 95	179 33		8 60	L 19 18	23 82		44 34				25 00	
September.	21 80	179 33		8 10				45 40					
October.	29 22	179 33	50 00	6 38			18 28	312 29					
November.	63 58	270 67		2 45		31 50		52 05	1,000 00				
December.	62 45	545 50						67 76	27 60				
	385 16	2,598 47	200 00	52 91	136 18	55 32	22 38	1,225 56	6,621 59			7,139 59	*1,452 50

* Sinking fund.

RECAPITULATION.

Administration—	
Current expenses.....	\$ 385 16
Salaries and commissions.....	2,598 47
Rent	200 00
Printing and stationery.....	52 91
Legal expenses.....	136 18
Refunds.....	55 32
\$ 3,428 04	
Disbursements on revenue—	
Engineer's office.....	22 38
Repairs and general harbour expenses.....	1,225 56
1,247 94	
Interest on debentures.....	7,139 59
Sinking fund.....	1,452 50
8,592 09	

SESSIONAL PAPER No. 23

Total expenses on revenue	\$ 13,268 07
Disbursements on capital—	
Construction account.....	6,621 59
Total disbursements.....	\$ 19,889 66
Deposit in bank, cash, December 31, 1902.....	10,108 45
	<u>\$ 29,998 11</u>

THREE RIVERS, January 15, 1903.

GEORGES BALCER,
Secretary-Treasurer.

STATEMENT of number and tonnage of Steamers and Sailing Vessels entered inward and outward at the port and outports of Three Rivers for the year ended 1902.

OCEAN TRAFFIC.

Return of Vessels Inward.	No.	Tons.	Return of Vessels Outwards.	No.	Tons.
Total arrivals.....	91	169,326	Total departures.....	91	169,326
Steamers.....	89	168,637	British and Canadian.....	69	136,530
Sailing vessels.....	2	689	Norwegian.....	22	32,796

PORT OF THREE RIVERS.

Arrived.	No.	Tons.	Cleared for.	No.	Tons.
Steamers.....	71	126,332	Great Britain.....	40	87,398
Sailing vessels.....	1	139	Inland ports.....	29	33,930
			Antwerp.....	2	3,636
			Spain.....	1	1,507
Total.....	72	126,471	Total.....	72	126,471

LAKE ST. PETER—PIERREVILLE, LOUISVILLE.

Steamers.....	13	33,155	Great Britain.....	12	31,651
Sailing vessel.....	1	550	Spain.....	2	2,054
Total.....	14	33,705	Total.....	14	33,705

OUTPORT—BATISCAN.

Steamers.....	5	9,150	Great Britain.....	4	7,400
			South Africa.....	1	1,750
Total.....	5	9,150	Total.....	5	9,150

UNITED STATES TRAFFIC.

	Number.	Tonnage.
Port of Three Rivers—United States canal boats.....	418	39,914
Outports—United States canal boats and barges.....	136	12,648
Total.....	554	52,562

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STATEMENT of number and tonnage of Steamers and Sailing Vessels &c.—*Concluded.*

INLAND TRAFFIC.

	Number.	Tonnage.
Bateaux not registered.....	181	.....
Schooners and barges.....	56	5,537
Tugs and steamboats.....	130	18,505
Total	367	24,042

(Exclusive of Richelieu and Ontario Navigation Company's steamers and local craft.)

RECAPITULATION.

Ocean traffic.....	91	169,326
United States.....	554	52,562
Local.....	367	24,042
Grand total	1,012	245,930

GEORGES BALCER,
Secretary.

HARBOUR COMMISSIONERS' OFFICE,
THREE RIVERS, March 30, 1903.

APPENDIX No. 6.

REPORT OF THE BELLEVILLE HARBOUR COMMISSIONERS FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

1902.		\$ cts.	1902.		\$ cts.
Jan. 1	To Balance on hand	4,492 74	Jan. 29	By D. Collins, month's salary..	50 00
Feb. 4	Rent	5 00	" 30	S. T. Harris	196 44
" 4	"	2 50	Feb. 10	D. Collins, month's salary..	50 00
Mar. 1	"	2 50	" 14	J. W. Walker	0 60
April 8	Harbour dues	505 82	Mar. 11	D. Collins	50 00
May 8	" "	372 88	April 7	I. W. London	1 40
" 31	House	50 00	" 7	John Corden	1 50
" 31	Interest	6 75	" 7	John Weir	1 50
July 8	Harbour dues	109 38	" 8	D. Collins	50 00
" 25	Interest on deposit	92 96	" 16	John Corden	6 00
Aug. 8	Harbour dues	37 35	" 16	W. R. Clark	1 34
Sept. 8	" "	40 30	" 16	C. P. Holten	0 85
" 9	Gilmour & Co.	285 19	" 18	John Keathing	2 00
" 18	Rathbun Co.	522 71	May 9	D. Collins	50 00
Oct. 8	Harbour dues	57 90	" 13	Almeda Greeves, for lot . . .	300 00
" 8	Quinlan Robertson, refund freight	10 00	" 30	John Lewis & Co.	1 56
Nov. 8	Harbour dues	84 82	" 31	<i>Intelligencer and Ontario</i> Printing	4 80
Dec. 9	" "	347 73	" 31	T. S. Carman, tally papers . .	6 00
" 19	" "	73 35	June 6	A. Dunsvill	1 50
" 19	Interest	48 10	" 7	Neil F. Donovan, stones . . .	4 00
			" 10	D. Collins	50 00
			" 17	S. Vanderont, tally clerk . . .	8 00
			" 23	" " "	12 00
			" 30	" " "	12 00
			July 7	" " "	12 00
			" 10	D. Collins	50 00
			" 10	S. Vanderont	4 00
			" 19	Fred Butler, carting	1 75
			Aug. 8	D. Collins	50 00
			" 16	A. Dunsvill	2 00
			" 16	Sid. Vanderont	14 00
			Sept. 8	D. Collins	50 00
			" 23	H. Foster, embankment . . .	3 13
			" 23	The Rathbun Co., swing- ing boom	100 00
			" 27	Embankment exc., pay sheet 1	25 74
			Oct. 4	Embankment exc., pay sheet 2	42 73
			" 9	D. Collins	50 00
			" 10	Embankment exc., pay sheet 4	76 85
			" 15	N. Assleston	2 50
			" 15	E. Bellow	2 50
			" 17	Embankment wall, pay sheet 3	36 00
			" 24	Embankment wall, pay sheet 5	7 50
			" 27	G.P.R., freight on stones . .	20 00
			" 31	Pay sheet, T. W. Walker . . .	77 92
			" 31	Cartage	0 35
			Nov. 3	Wm. Synnott	0 75
			" 7	D. Collins	50 00
			" 7	Rathbun Co	13 59
			" 8	John Lewis & Co.	0 77
			" 8	W. P. Clark	16 70
			" 8	Marsh & Henthorn	7 58
			" 8	Pay sheet	81 10
	Carried forward	7,147 98		Carried forward	1,660 95

SESSIONAL PAPER No. 23

Report of the Belleville Harbour Commissioners, &c.—*Concluded.*

		\$ cts.			\$ cts.
1902.	Brought forward...	7,147 98	1902.	Brought forward..	1,660 95
			Nov. 10	By Thompson Bros.....	250 50
			" 10	Repairs to derrick.....	1 00
			" 11	Chs. Cero.....	2 50
			" 11	Tumlan & Robertson.....	109 35
			" 11	Telegraphing.....	0 50
			" 15	Pay Sheet.....	104 99
			" 15	Mullins, cartage.....	1 50
			" 15	Telegraphing.....	0 25
			" 21	Pay sheet.....	44 18
			" 28	Pay sheet.....	33 49
			Dec. 9	D. Collins.....	50 00
			" 18	R. Thompson, rent.....	15 00
			" 19	T. P. Thompson, rent \$3; Margaret Johnson, rent, \$12.....	15 00
			" 19	Geo. Whalen, storing buoys \$4; D. Collins, postage, &c. 3.40.....	7 40
			" 19	Postage and stationery	2 55
					2,299 16
1903.		7,147 98		Balance on hand..	4,848 82
Jan. 1	To Balance on hand.	4,848 82			7,147 98

The above is a correct statement to the best of our belief of all moneys received and expended by the Belleville Harbour Board for the year 1902.

T. A. CARMAN,
Chairman.

E. G. SILES,
Ex-Chairman.

BELLEVILLE, January 8, 1903.

To the Honourable
The Minister of Marine and Fisheries,
Ottawa.

SIR,—The undersigned, harbour master of the city of Belleville, begs to submit the following report for the year 1902 :—

Navigation opened in Belleville harbour on April 2 and closed on December 5.

Import dues on	11,938 tons coal.....	\$1,193 80
"	" 733,868 feet lumber.....	36 20
"	" 557,000 shingles.....	16 71
"	" 260,000 laths.....	3 28
"	" cords wood.....	21 00
"	" 168 tons potter's clay.....	10 08
"	" 35½ tons cement.....	3 55
"	" 14½ tons salt.....	1 45
"	" 75 tons tomatoes.....	7 50
"	" 904 tons merchandise.....	90 40

\$1,383 97

2-3 EDWARD VII., A. 1903

Export dues on 147,681 logs, &c.....	\$ 869 19
" " 21,138 bushels wheat.....	26 42
" " 14,052 " oats.....	17 56
" " 1,063 " rye.....	1 33
" " 15,027 " barley.....	18 78
" " 829 " peas.....	1 03
" " 192 tons cheese.....	19 20
" " 100 tons coal.....	10 00
" " 30 tons sand.....	3 00
" " 811½ tons merchandise.....	81 15
" " 66,000 bricks.....	3 30
	<hr/>
	\$ 1,050 96

Dues collected during the season are as follows :—

Total amount derived from imports.....	\$ 1,383 97
Total amount derived from exports.....	1,050 96
	<hr/>
	\$ 2,434 93

The amount of dues from imports shows a slight decrease from last year on account of less coal being imported.

The dues from exports are larger than last year owing to more logs having been brought down the river Moira.

All of which is respectfully submitted.

I have the honour to be, sir,
Your obedient servant,

D. COLLINS,
Harbour Master.

DOMINION OF CANADA, } In the matter of the report of the Harbour Master of
Province of Ontario, } the city of Belleville for the year ending December 31,
County of Hastings. } 1902.
To Wit : }

I, DANIEL COLLINS, of the city of Belleville, in the county of Hastings, harbour master, do solemnly declare that :

1. I am harbour master of the city of Belleville.
2. That my report hereunto annexed contains a true, correct and full statement of the revenue from the harbour at the city of Belleville for the year ending on the 31st day of December, 1902.
3. That the said report is in all other respects true and correct to the best of my knowledge, information and belief.

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of *The Canada Evidence Act, 1893.*

D. COLLINS,
Harbour Master.

Declared before me at the city of Belleville, }
in the county of Hastings, this 8th day }
of January A. D. 1903. }

G. MASSON.
Notary Public, Commissioner, &c.

APPENDIX No. 7.

REPORT OF THE TORONTO HARBOUR COMMISSIONERS FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

SECRETARY of the Toronto Harbour Trust in account with the Commissioners for the
Year ended December 31, 1902.

DR.	GENERAL BALANCE SHEET.		CR.
	\$ cts.		\$ cts.
Wharf property.....	43,073 72	Profit and loss.....	60,891 97
Office furniture.....	594 88		
Can. Per. and W. Can. mort. bonds....	14,000 00		
Cash in bank.....	3,214 04		
Cash on hand.....	9 33		
	60,891 97		60,891 97

We have examined the books and vouchers and have compared the balance sheet as above with the said books and vouchers, and we certify the same to be correct and to represent a true statement of the affairs of the trust at this date, December 31, 1902.

ARTHUR B. LEE, *Chairman*,
J. T. MATHEWS,
W. P. HUBBARD,
BARLOW CUMBERLAND,
JOSEPH OLIVER,
Commissioners.

S. BRUCE HARMAN,
JOHN M. MARTIN, F.C.A.,
Auditors.

COLIN W. POSTLETHWAITE,
Harbour Master and Secretary.

Toronto, January 2, 1903.

PROFIT AND LOSS.

	\$ cts.		\$ cts.
Charges.....	300 00	Balance from ledger.....	58,785 13
Salaries.....	2,000 00	C.P.Ry. Co.....	4,000 00
Light, buoys and beacons.....	66 88	Harbour dues.....	5,268 72
General repairs.....	600 02	Interest on debentures.....	433 72
Printing and stationery.....	35 85	" deposits.....	91 90
Dredging.....	4,243 08	Suspense account, dredging.....	250 00
Office expense and rent.....	578 87	Sale of old material.....	37 20
Solicitors' fees.....	50 00		
Engineers' fees.....	40 00		
Furniture account written off.....	60 00		
Balance.....	60,891 97		
	68,866 67		68,866 67

Examined and found correct.

S. BRUCE HARMAN,
JOHN M. MARTIN, F.C.A.,
Auditors.

Toronto, January 2, 1903.

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RECEIPTS and Expenditure of the Toronto Harbour Trust for the Year 1902.

Receipts.	\$ cts.	Expenditure.	\$ cts.
Cash in bank, January 1.....	6,106 79	Furniture account.....	62 97
" on hand " 1.....	12 71	Charges.....	300 00
Canadian Pacific Railway Co.....	4,000 00	Salaries.....	2,000 00
Harbour dues.....	5,268 72	Lights, buoys and beacons.....	133 55
Interest on debentures.....	433 72	General repairs.....	600 02
" deposits.....	91 90	Printing and stationery.....	35 85
City of Toronto, placing buoys.....	66 67	Dredging.....	4,243 08
Suspense account, dredging.....	250 00	Office expenses and rent.....	578 87
Sale of old material.....	37 20	Solicitors' fees.....	50 00
		Engineers' fees.....	40 00
		Debentures.....	5,000 00
		Cash in bank.....	3,214 04
		" on hand.....	9 33
	16,267 71		16,267 71

Examined and found correct.

S. BRUCE HARMAN,
JOHN M. MARTIN, F.C.A.,
Auditors.

TORONTO, January 2, 1903.

Goods Arrived per Steamer and Sailing Vessels for the Years 1901 and 1902.

Description of Goods.	1901.	1902.
Merchandise, general..... tons.	24,949	24,744
Coal..... "	183,831	126,199
Wood..... cords.		247
Lake stone..... toise.	2,595	2,670
Fruit in packages..... brls.	1,795	3,075
"..... crates.	7,122	915
"..... baskets.	392,267	597,296
"..... bags.	821	783
Fire bricks.....	46,000	42,000
Common bricks.....		105,000
Grain and pulse..... bush.		30,000
Sheep, pigs and calves.....		16
Carriages, horses and cattle.....	93	92
Oil in bulk..... brls.	23,783	10,159

COLIN W. POSTLETHWAITE,
Harbour Master.

TORONTO, January 2, 1903.

FIFTY SECOND ANNUAL REPORT.

To the Commissioners of the Harbour of Toronto:

GENTLEMEN,—I have the honour to submit my report for the year 1902.

The harbour was clear of ice on March 20, having been frozen for 104 days. The harbour froze over again on December 15, nine days later than last year.

The first vessel to arrive with cargo was the 'Maple Leaf,' Captain Goldring, with stone from Frenchman's Bay.

The last vessel to arrive was the 'M. E. Ferguson,' Captain Bloch, with stone from Port Credit, on December 16. She could get no further than the Queen's Wharf on account of ice.

The number of vessels which arrived at this port during the season of 1902 is 3,271, being 229 less than in 1901.

	1901.	1902.	Increase.	Decrease.	Tonnage.	
					1901.	1902.
Propellers loaded.	464	515	51	...	198,270	151,263
" light.	42	51	9	...		
Steamers loaded.	2,248	2,066	...	182	926,477	913,396
" light.	11	11	...	11		
Sailing vessels, loaded.	713	629	...	84	78,840	51,665
" " light.	12	10	...	2		
	3,490	3,271	61	279	1,203,587	1,116,324

Cash receipts from all sources, including cash on hand from last year, amount to \$16,267.71.

Expenditures of all kinds amount to \$13,144.34, leaving a cash balance of \$3,223.37.

Coal receipts by vessel for the year are as below, viz., anthracite coal, 57,840 tons; soft coal, 61,644 tons; and British coal 6,715 tons, in all by water 126,199 tons, as against 183,831 tons in 1901, showing a reduction of 57,632 tons.

The total quantity of coal imported into Toronto for the year, according to returns from Government is as below, viz., anthracite coal, 231,103 tons; bituminous coal, 546,075 tons; in all, 777,178 tons as compared with 786,068 tons in 1901.

A strike among the mine workers in the anthracite coal regions of Pennsylvania, unparalleled in duration, in the number of men involved and as affecting the interests of the public, was declared on May 13, and was only cancelled by the intervention of the United States Government on October 16. During the six months of the strike the hard coal business was paralyzed and but very little found its way into Toronto, and when at last the strike was declared off, the season of navigation had so far advanced that the demand was but partially supplied.

The fruit crop this year was a fairly good one. The number of packages brought in by water was 602,069, being an increase of more than 200,000 packages over last season.

Dredging was done in the harbour this year at a cost of \$4,243.08.

The city engineer removed a quantity of deposits from the Bathurst Street sewer which had impeded the navigation of the western channel; this together with the dredging done by the Commissioners at the approaches to the Queen's Wharf, has given a channel as deep as is practicable without rock blasting.

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The highest water for the year was $14\frac{1}{2}$ inches above zero on July 30, the lowest water was 11 inches below zero on January 4. The average for the year is $2\frac{1}{2}$ inches above zero, or about two inches higher than the average for last year.

The lamps at the Queen's Wharf were lighted for the first time on March 31 and were discontinued on December 14.

The buoys were placed out on March 26 and taken up on December 9.

There are 79 vessels wintering here this year, viz., 10 steamers, 10 propellers, 17 schooners, 2 steam tugs, 5 tow-barges, 9 steam barges, 15 sailing yachts, 8 ferry steamers, 9 steam launches and 4 dredges; in all about 18,447 tons, net register.

The steam fog horn on the Island has been sounded on 46 days, viz., in April, 4 times; in May, 7 times; in June, 4 times; in July, 8 times; in September, 6 times; in October, 6 times; in November, 7 times and in December, 4 times.

The Government engineer, Major Henry A. Gray, reports as follows:—

The extension of the west pier of the eastern channel for a length of 800 feet was completed in July last. The channel has maintained its full depth of $14\frac{1}{2}$ feet up to the close of navigation. A small spit of the sand bar at the lake end of the channel has formed and is encroaching upon the channel, and may have to be removed next season. This will be determined when I take soundings in the coming spring.

This department has made repairs to the eastern pier of the eastern channel and also to the breakwater south of Fisherman's Island during the past year.

The pollution of the harbour from the city sewage is increasing to a very large and dangerous extent, and if not attended to, will, at an early date, seriously interfere with navigation.

The precipitation for the year, per information furnished by Mr. R. F. Stupart, Director of the Meteorological Observatory, is as follows, viz., rain, 26.105 inches; snow, (reduced to water), 4.920 inches; the total precipitation was 31.025 inches, or 1.245 inches less than for last year.

I am gentlemen,

Your obedient servant,

COLIN WM. POSTLETHWAITE.

Harbour Master.

TORONTO HARBOUR WORKS,

TORONTO, January 5, 1903.

SIR,—I have the honour to report that tenders for dredging on the Range Course and at wharfs and slips, were received early in the year, and a contract was made with the Sand Dredging, limited, on the 6th of March last; the price for the Range Course being 13 cents, and for the wharfs and slips $9\frac{2}{3}$ cents per cubic yard. Owing to the delay of the contractors in commencing the work, I notified W. G. McKendrick, manager, on May 2, that, 'as in my opinion there is no probability of your completing the work contracted for by your company on or before May 14, next, as specified, it will be my duty after 24 hours have expired, to make arrangements for the completion of the work contracted for by your Company'; not having received any assurance that the dredging would be commenced without further delay, I reported on May 12, that I had made arrangements with Mr. Simpson, of McNamee & Simpson, on May 5, 'to remove the bar leading to Elias Roger's Co. wharf, near Berkeley Street,' as schooners could not get to the wharf, but had to go to their Church Street wharf to partially unload. By consent of the city engineer, Mr. Simpson left the dredging at the slips, and undertook the work, at the rate of \$8 per hour, for working hours, the ordinary price paid by the Dominion Government. On May 23, I reported

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that the dredging of the bar was completed on the 21st inst. The cost of removing the bar at Princess Street entrance, and at the west side of Elias Roger's Co. wharf, was \$1,344, of which the Sand Dredging, Limited, was duly notified, as the company were responsible for all damages caused by the delay in commencing the work. The manager of the Sand Dredging, Limited, having made arrangements with Messrs. Russell & Brooks for the use of their dredge and scows, which was accepted by me, with the consent of the board, the dredging on the range course was commenced on May 30, at the contract price 13 cents per cubic yard, and $9\frac{2}{5}$ cents for the wharfs and slips; the dredging was completed on August 19. The quantities dredged were as follows:—

	Cubic yards.
Princess Street entrance and Elias Roger's Company wharf..	6,941
Range Course, not including taking up boulder, \$16.....	7,585
Scott Street slip.	770
Dickson and Eddy's wharf.....	825
Electric light wharf.	925
Conger's wharf.....	967
Elias Roger's Company wharf, Church Street.....	968
G. T. R. Railway elevator wharf.....	200
Princess Street entrance and Brown Milling Company wharf..	9,092
Burn's wharf, Princess Street.....	1,750
Total.....	30,023

It will be 50 years next March, since I received the instructions for the first extension of the Queen's Wharf, 200 feet, and since that time I have been engineer of the harbour, the duties of which I trust have been done to the satisfaction of the Commissioners.

I remain,

Your obedient servant,

KIVAS TULLY,
Engineer.

A. B. LEE, Esq.,
Chairman Toronto Harbour Commissioners.

APPENDIX No. 8.

REPORT OF THE PICTOU, N.S., HARBOUR COMMISSIONERS FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

Pictou, N.S., January, 17, 1903.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to inclose you accounts of the Harbour Commissioners for the port of Pictou, N.S., for the year ended December 31, 1902.

Yours very truly,

HENRY G. IVES,
Secretarg.

STATEMENT of Account of Harbour Dues collected at the Port of Pictou, N.S., for the
year ended December 31, 1902.

1901.	RECEIPTS.	\$ cts.	\$ cts.
Dec. 31 .	Balance in Bank of Nova Scotia	125 00	
1902.			
Dec. 31..	Harbour dues collected during year ended December 31, 1902, 74,077 tons at 1½ cts. per ton.....	1,111 15	1,236 15
	DISBURSEMENTS.		
	Paid salary Harbour Master Capt. Jas. A. Fraser, during year ended December 31, 1902.....	300 00	
	Deposited to credit of Harbour Commissioners in Bank of Nova Scotia.....	811 15	1,111 15
1902.			
Dec. 31..	Balance in Bank of Nova Scotia.....	125 00	

R. G. FRASER,
Collector of Customs.

Pictou, N.S., December 31, 1902.

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HARBOUR COMMISSIONERS, Port of Pictou, N.S., in account with Henry G. Ives, Secretary.

1902.		\$ cts.	1902.		\$ cts.
Jan. 1	By Balance in Bank of Nova Scotia	1,024 91	Jan. 20	To Commissioners' travelling expenses	10 00
Dec. 31	Deposit receipt.....\$2,678 04		" 20	E. M. McDonald's account...	13 58
" 31	Interest to date 93 73		Mar. 18	Joseph Graham, wharfinger, &c	25 00
		2,771 77	" 23	S.S. <i>Arcadia</i> putting out buoys and bushing channel East River.....	30 00
" 31	Deposited by Collector of Customs in 1902.....	811 15	" 23	Poles for East River.....	4 40
			" 29	Pumping out buoys.....	2 00
			June 17	G. C. Reddy, repairing buoy..	5 32
			" 20	G. J. English's account, bushing Middle River.....	12 00
			" 23	Thos. Fraser, bushing West River	8 00
			July 4	Ed. Cameron, covering buoy..	5 07
			Aug. 7	J. T. Panitin, repairs to wharf	8 50
			" 21	Painting buoys	5 00
			Nov. 11	E. M. McDonald, legal services	63 28
			Dec. 16	Wm. R. Graham, bushing East River	20 00
			" 16	S.S. <i>Arcadia</i> taking in buoys.	20 00
			" 22	Secretary's salary..	100 00
			" 31	Deposit receipt	2,771 77
			" 31	Balance in Bank of Nova Scotia	1,503 91
1903.		4,607 83			4,607 83
Jan. 1	By balance in Bank of Nova Scotia per account.....	1,503 91			

HENRY G. IVES,
Secretary.

Pictou, N.S., January 17, 1903.

APPENDIX No. 9.

REPORT OF THE HARBOUR COMMISSIONERS OF NORTH SYDNEY, N.S.,
FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

NORTH SYDNEY, C.B., June 2, 1903.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—The Harbour Commissioners for this port beg to hand you herewith a statement of receipts and expenditure in connection with the port for the year ended December 31, 1902.

Also a report of the arrivals, the quantity of coal shipped and ore imported.

Your obedient servant,

WM. HACKETT,
Secretary.

Number, tonnage and classification of vessels that arrived during the year ended December 31, 1902. Navigated by 54,165 men.

	Number.	Tonnage.
Ocean steamers.....	745	1,117,517
Coasting steamers.....	312	123,941
Barques.....	14	9,182
Ships.....	2	2,820
Barkentines.....	19	4,998
Brigantines.....	16	2,624
Schooners.....	1,595	157,857
	<hr/> 2,703	<hr/> 1,418,939

Coal shipments :

Dominion Coal Co., Ltd.....	839,218
Nova Scotia Steel & Coal Co., Ltd.....	269,976

Iron ore importations :

Dominion Steel Co., Ltd.....	364,399
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Number of steamers called for bunker coal :

39 from United States ports.
137 from Canadian and European ports.

WM. HACKETT,
Secretary Harbour Commissioners.

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HARBOUR COMMISSIONERS' Statement of Receipts and Expenditure for the Year ending
December 31, 1902.

1902.	Receipts.	\$ cts.	1902.	Expenditure.	\$ cts.
Jan. 1	Amount on hand.....	1,282 08	June 20	Joseph McPherson.....	22 50
May 13	Received from R. Johnson.....	25 25	" 30	George McInnis (logs).....	25 60
June 12	" harbour dues.....	174 60	" 30	James McInnis (logs).....	25 60
" 30	" from R. Johnson.....	30 00	" 30	Jno. Beaton (logs).....	23 90
July 5	" harbour dues.....	107 90	" 30	Ingram Ball (logs).....	20 80
Aug. 2	" from R. Johnson.....	25 00	July 8	John McMullin (logs).....	32 52
" 5	" harbour dues.....	345 97	" 8	John Johnson (logs).....	73 44
Sept. 10	" ".....	357 08	" 8	Making boom for logs.....	2 00
Oct. 10	" ".....	266 02	" 14	Banks McLean (logs).....	27 24
Nov. 11	" ".....	339 95	" 16	Neil McSween (logs).....	23 04
Dec. 3	" ".....	243 87	" 19	Labour on breakwater.....	21 95
" 20	" ".....	342 82	" 22	Hy. Ball (logs).....	17 60
" 31	" ".....	486 43	" 22	Banks McLean (logs).....	20 40
			" 23	J. McMullin (logs).....	4 50
			" 24	Ingram Ball (logs).....	12 00
			" 26	A. McLean (logs).....	8 25
			" 26	Labour on breakwater.....	27 00
			" 26	Allan Bedford.....	9 00
			" 28	Chas. Moore.....	9 00
			Aug. 2	Labour on breakwater.....	36 00
			" 2	Foreman McLellan.....	15 00
			" 8	Labour on breakwater.....	29 80
			" 16	" ".....	65 00
			" 16	Ingram Ball (logs).....	12 32
			" 16	John Johnson.....	4 00
			" 22	Foreman McLellan.....	10 00
			" 22	Labour on breakwater.....	42 00
			" 22	Truckage.....	25
			" 27	Ingram Ball (logs).....	8 55
			" 28	John Johnson (logs).....	5 00
			" 30	Labour on breakwater.....	80 10
			" 30	Geo. McInnis (logs).....	32 56
			Sept. 6	Labour on breakwater.....	35 00
			" 8	J. McIntyre (logs).....	19 44
			" 8	Hy. Ball (logs).....	16 80
			" 13	Labour on breakwater.....	38 48
			" 17	Joseph Ivey, acct. boat.....	7 20
			" 18	Hugh McDonald (logs).....	7 65
			" 20	Labour on breakwater.....	42 00
			" 20	P. McLean & Chas. Moore (logs).....	54 63
			" 22	Angus McIntyre (logs).....	12 78
			" 23	Two loads brush.....	1 00
			" 24	J. D. McNeil.....	2 00
			" 26	Labour breakwater.....	42 00
			" 29	Henry Roach.....	7 04
			Oct. 7	Allan Bedford.....	8 75
			" 11	Labour on breakwater.....	47 25
			" 18	" ".....	21 00
			" 20	P. McLean (timber).....	8 37
			" 25	Labour on breakwater.....	37 62
			Nov. 1	" ".....	23 40
			" 17	R. Musgrave, iron work.....	149 81
			" 17	J. Salter's Sons (logs).....	4 00
			Dec. 18	Bent & Cahoon.....	21 06
				Harbour master.....	400 00
				P. J. McDonald.....	300 00
				Rent.....	75 00
				Wm. Hackett.....	400 00
				M. W. Lawlor.....	300 00
				Balance on hand.....	1,197 87
		4,026 97			4,026 97

NORTH SYDNEY, C.B., June 2, 1903.

P. J. McDONALD,
M. W. LAWLOR,
WM. HACKETT, Commissioners.

APPENDIX No. 10.

REPORT OF THE PILOTAGE AUTHORITY OF MONTREAL FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

HARBOUR COMMISSIONERS OF MONTREAL,

SECRETARY'S OFFICE,

MONTREAL, April 6, 1903.

Col. F. GOURDEAU,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour, by direction of the Harbour Commissioners of Montreal, as the pilotage authority, to transmit, for the information of the Honourable the Minister of Marine and Fisheries, the following report of the pilotage district of Montreal for the year ended December 31, 1902.

The accompanying statement gives the names, earnings, &c., of all the pilots for the past season, and shows an increase of \$4,357.05 over that of 1901.

The total amount of pilotage dues was received from the following services, namely :

British

Steamships	\$53,982 62
Sailing vessels.....	328 78
	—————\$54,311 40

Foreign.

Steamships.....	\$15,678 71
Sailing vessels.....	217 24
	—————\$15,895 95

Total.....\$70,207 35

Before the opening of the season, the selection of pilots for special service was made in conformity with By-laws 108 and 109 of the Commissioners, on application being made by the pilots.

On April 5, pilots Elzear Bellisle, Louis A. Bouillé, Narcisse Perrault and Joseph Pleau, over 65 years of age, were granted a renewal of their licenses for one year, after having filed medical certificates to the effect that their eyesight was normal, and after being examined under the provisions of By-law 103.

Pilots Liboire Perrault and Josephat Sauvageau, who had been on the pension list for the year, on account of the bad state of their health, were again placed on the list of pensioners for one year from May 1, after filing medical certificates to the effect that their condition had not improved.

Pilot Achile Bélanger, licensed on May 19, 1900, was on account of impaired health, placed on the pension list for one year from May 1.

Pilot Jean Nault, of Deschambault, who had been licensed on February 20, 1884, died on June 14.

On June 13 two pilots were granted branches after complying with all the requirements of the by-laws, they are: Melville Labranche, of Portneuf, and Azarias Paquin, of Deschambault.

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This leaves fifty-five pilots on the list, while the number allowed by By-law 99 is seventy-five.

In December an examination of apprentice pilots was held at which there was only one candidate, Mr. Albert Gagnon, of Three Rivers, who passed a satisfactory examination and was granted a permit as provided by By-law No. 96.

The following list gives the name, age, residence and date of license of each apprentice pilot now serving his time under this authority :—

LIST OF APPRENTICE PILOTS.

No.	Name.	Age.	Residence.	Date of License.
1	Gariépy, J. A. W.....	24	St. Albans.....	June 2, 1896.
2	Gagnon, Albert.....	26	Three Rivers.....	October 11, 1892.
3	Angers, Alfred.....	26	Ste. Anne de la Pérade.....	January 30, 1894.
4	Frenette, Oswald.....	27	Portneuf.....	August 16, 1899.
5	Hamelin, Chas. B.....	23	Champlain.....	" "
6	Perron, Tancrede.....	25	Deschambault.....	" "
7	Angers, J.-B.....	22	Ste. Anne de la Pérade.....	" "
8	Frenette, Delavoie.....	25	Portneuf.....	" "
9	Gauthier, Laurent J.....	25	Deschambault.....	" "
10	Perrault, Fils, David.....	22	".....	" "
11	Hamelin, Fortunat.....	25	".....	" "
12	Gauthier, Cyriac.....	22	".....	" "
13	Royer, Fils, Jos.....	20	88 Fleury Street, Quebec.....	" "
14	Carpentier, Eugène.....	24	Champlain.....	" "
15	Rivard, Frs. Xavier.....	21	Grondines.....	" "
16	Mayrand, Joseph.....	25	Lachevrotière.....	" "
17	Arcand, Alfred.....	19	Portneuf.....	" "
18	Lachance, Napoléon.....	21	River Lafleur, Isle d'Orleans.....	December 4 1900.
19	Frenette, Georges.....	25	Portneuf.....	" "
20	Paquin, Emile.....	18	Deschambault.....	" "
21	Bouillé, Henri.....	20	".....	" "
22	Larochelle, Eugène.....	19	St. Michel de Bellechasse.....	" "
23	Perron, Théodore.....	19	Deschambault.....	" "
24	Arcand, Arthur.....	25	Champlain.....	" "
25	Rousseau, Oscar.....	21	St. Michel de Bellechasse.....	" "
26	Dussault, Bona.....	21	Deschambault.....	" "
27	Paquin, Côme.....	20	".....	" "
28	Labranche, Chs. Ed.....	19	Portneuf.....	" "
29	Arcand, Jos. Art.....	19	Champlain.....	" "
30	Boudreau, Anthime.....	18	Deschambault.....	" "
31	Gariépy, Laurent.....	18	".....	December 18, 1901.
32	Baribeau, Hormisdas.....	18	280 rue de la Reine, Quebec.....	" "

There are twelve applicants to be placed on the list of apprentice pilots of whom Messrs. Jean Perrault and Emile Rodrigue have passed their examination, but have not yet taken their license.

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LIST OF APPLICANTS TO BE PLACED ON THE LIST OF APPRENTICE PILOTS.

No.	Name.	Residence.	Date of Application.
1	*Rodrigue, Emile.....	Deschambault	January 10, 1900.
2	*Perrault, Jean.....	"	May 25, 1897.
3	Thibaudeau, Emile.....	Portneuf.	January 7, 1901.
4	Belisle, N. Oscar.....	Deschambault	" 28, 1901.
5	Dussault, Laurent.	"	March 2, 1901.
6	Simard, J. P. Geo, H.....	St. Michel de Bellechasse.....	" 6, 1901.
7	Arcand, Jos. Arthur.....	Deschambault	August 31, 1902.
8	DeVilliers, Napoléon.....	Lotbinière	" 7, 1902.
9	Gosselin, J. V. Achille.....	Deschambault	October 6, 1902.
10	Marchand, J. H. Arm.....	Three Rivers..	" 21, 1902.
11	Paquette, J. A. Donat.....	Grondines	Nov. 27, 1902.
12	Lacroix, P. E.	Contrecoeur.....	Dec. 11, 1902.

*Passed examination on December 4, 1900.

* " " 18, 1901.

The amounts received and expended by the Harbour Commissioners as pilotage authority for the district, apart from their receipts and disbursements, in trust for the Montreal Decayed Pilots' Fund, of which the annual reports and statements have been sent to you, were as follows :—

Received.

From Azarias Paquin, fees of pilots' license.....	\$ 10 00
" J. Melville Labranche " "	10 00
Fees of two licenses of apprentice pilots.....	10 00
From pilots 2 per cent of the pilotage dues on sundry vessels..	21 76
" Collector of Customs, Three Rivers, 2 per cent of the pilotage dues on vessels to and from Three Rivers and Batiscan.....	36 14
" Collector of Customs, Sorel, 2 per cent of the pilotage dues collected on vessels to and from Sorel.....	8 90
" Collector of Customs, Montreal, 2 per cent of the pilotage dues on vessels to and from Montreal	1,323 26
Total.....	\$1,420 06

Expended.

By <i>Herald</i> Publishing Company, printing and stationery.....	\$ 28 50
" Geoffrion, Geoffrion & Cusson, professional services.....	13 00
" Anderson, McKenzie & Co., refund of poundage.....	0 60
" Dominion Express Co., parcel to Quebec... ..	0 25
" Elder, Dempster & Co, refund of poundage.....	3 51
" Board of Trade, London, Eng., tests for examination of masters and mates.....	5 66
" Three pilots, attendance at examination of apprentice pilots for branches	53 70
" Contribution towards the expenses of the pilotage office at Quebec, which were \$673.82, including agent's salary of \$500.....	600 00
Total	\$ 705 22

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The above statement shows that the receipts for the year exceeded the expenditure by \$714.84, and deducting the indebtedness of 182.55, the amount at the debit of the account on December 31, 1901, the said indebtedness having accumulated in six years, leaves a surplus of receipts over expenditure of \$532.29.

The mishaps during the year, which were few, were investigated by the Commissioner of the Montreal Pilots' Court, as provided by the Act 63-64 Victoria, chap. 36, "An Act to Amend the Pilotage Act."

The water in the channel kept at a very satisfactory depth throughout the season, and a list of vessels which passed down during the latter part of the season, drawing twenty feet and over, with the relative depth in the channel on the day of passage, as indicated by the Government gauge at Sorel, is as follows :

STATEMENT showing draft of steamships, for part of season 1902, drawing twenty-six feet and over.

Date.	Steamers.	Draft when stationary in Harbour by Pilot's Report.		Depth of wafer in channel by Sorel Gauge.	
		Ft.	In.	Ft.	In.
Aug. 22	SS. Hurona.....	26	6	28	9
" 28	" Lake Simcoe.....	26	1	28	1
" 28	" Iona.....	26	0	28	1
Sept. 5	" Monterey....	26	5	28	1
" 6	" Ottoman	26	4	28	0
" 14	" Roman	26	6	27	3
" 22	" Montcalm	26	6	27	9
" 27	" Hurona...	26	0	27	1
Oct. 2	" Lake Simcoe.....	26	2	28	0
" 5	" Iona	26	6	27	7
" 10	" Milwaukee.....	26	0	26	11
" 11	" Ottoman	26	3	26	9
" 14	" Fremona.....	26	0	27	0
" 16	" Monteagle.....	26	0	27	3
" 18	" Roman	26	7	27	8
Nov. 1	" Sarmatian.....	25	2	28	4
" 6	" Pomeranian	26	1	27	9
" 8	" Lake Simcoe.....	26	3	27	7
" 11	" Hurona.....	26	0	27	3
" 17	" Ottoman	26	0	29	5
" 17	" Monteagle.....	26	6	29	5
" 22	" Roman	27	0	28	11

The semaphore at Cap Santé which indicated the depth of water on the Ste. Croix Bar was removed, as that bar had been dredged to twenty-eight feet at extreme low water, and placed at St. Nicholas to indicate the depth of water on the St. Augustin shoal. This semaphore, together wltth the one at Cap à la Roche, were worked throughout the season, and for the information of pilots, the depths of water which were received daily by telegram were posted in the pilotage office here.

The usual edition of the tide-tables, the date for which were furnished by your Department, was published by the Commissioners and distributed to the pilots and to the shipping firms for the use of the vessels.

I have the honor to be, sir,
Your obedient servant,

DAVID SEATH,
Secretary.

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HARBOUR COMMISSIONERS OF MONTREAL,

SECRETARY'S OFFICE,

MONTREAL, January 7, 1903.

Col. F. GOURDEAU,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour, by direction of the Harbour Commissioners of Montreal, to transmit you herewith, for the information of the Honourable the Minister of Marine and Fisheries, the usual statements, (1) receipts and disbursements of the Montreal Decayed Pilots' Fund for the year ended December 31, 1902, and (2) assets of the fund at December 31, 1902.

The following is an abstract of the former :

Receipts.

5 p. c. of pilotage dues collected at Montreal	\$3,308 22 -
“ “ “ at Three Rivers and Batiscan	94 26
“ “ “ at Sorel	22 23
“ “ “ sundry vessels	50 56
Amount collected and applied under paragraph 62 of Pilotage Act	55 00
	<hr/>
	\$3,530 37
Interest on investments and cash in bank	2,356 77
	<hr/>
Total	\$5,887 14

Disbursements.

Pensions to old pilots and widows of pilots and minors ..	\$5,881 23
Audit of the fund for 1901	25 00
Postage stamps and stationery	10 00
Funeral expenses of late pilot George Veillet	53 99
	<hr/>
Total	\$5,870 22

Showing a gain for the year of \$16.92.

The question under discussion last year of reducing the pensions in order to keep the expenditure within the revenue, was acted upon, and after consulting with the Committee of Montreal Pilots, it was decided to reduce the pensions of old pilots from \$360 to \$300 per annum, commencing from May 1 last, and the revenue for the past year has been sufficient to meet the expenditure.

Before the opening of navigation pilot Achille Bélanger applied to be placed on the pension list and filed a medical certificate to the effect that he was unable to exercise the duties of pilot, and he was placed on the pension list for one year from May 1.

Pilots J. Sauvageau and L. Perrault, who had been on the list for one year from May 1, 1901, renewed their application and filed medical certificates to the effect that their health had not improved, and were continued as pensioners for another year.

Pilot Jean Nault, of Deschambault, licensed on February 20, 1884, died on June 14, 1902, and his widow was placed on the pension list from June 15.

At the close of the year there were 25 pensioners, 13 old pilots, 11 widows and the minors of one pilot deceased.

I have the honour to be, sir,

Your obedient servant,

DAVID SEATH,

Secretary.

[illegible]

Dr. DAVID SEATH, Treasurer, in account with the Montreal Decayed Pilots' Fund—Continued. Cr.

1902.		\$	cts.	1902.		\$	cts.
July 31.	To Collector of Customs, Montreal, $\frac{1}{2}$ Trinity dues, collected in July.			May	1 By pensions paid to the following for three months ended April 30—		
" 31.	Montreal Harbour coupons, due July 5, 1902—				Old Pilot, F. Desjordy	569	40
	Series R, Nos. 20 and 102 = $2 \times \$15.00 =$		\$ 30 00		" P. Gagnon		90 00
	" R " 42 and 117-119 = $4 \times 30.00 =$		120 00		" L. Mayrand		90 00
	" R " 84 = $1 \times 60.00 =$		60 00		" A. Naud		90 00
	" D " 21 and 45-49 = $6 \times 25.00 =$		150 00		" D. Perrault		90 00
	" F " 164-172 = $9 \times 20.00 =$		180 00		" L. Perrault		90 00
	" G " 289-290 = $2 \times 20.00 =$		40 00		" J. Sauvageau		90 00
	" H " 64, 65, 139-142 = $6 \times 20.00 =$		120 00		" T. Toupin		90 00
	" J " 221-246 = $16 \times 20.00 =$		320 00	Aug. 1.	By pensions paid to the following for three months ended July 30—		
			1,020 00		Heirs L. Bellisle		37 33
Aug. 11.	Pilot H. Dussault, $\frac{5}{100}$ per cent pilotage dues, H.M.S. <i>Psuche</i> , Quebec to Montreal, and return 16 ft. 6 in. draught, September, 1901.				Widow L. D. Bouillé		29 33
" 12.	Pilot A. Paquin, $\frac{5}{100}$ per cent pilotage dues, ss. <i>Gaspesien</i> , Quebec to Montreal, 9 ft. 6 in. draught, Montreal to Quebec, 10 ft. 6 in. draft.	4	11		" A. Dufresne		37 33
" 12.	H. Dussault, $\frac{5}{100}$ per cent pilotage dues, yacht <i>Gundreda</i> , Montreal to Quebec, 12 ft. 6 in. draught, July 10, 1901.	2	50		" V. Gagnon		37 33
" 12.	City of Montreal, six months' interest to July 1, on \$5,000.00 of $\frac{5}{100}$ per cent Montreal city stock.	1	50		" A. Gauthier		32 00
" 27.	Pilot A. Goulet, $\frac{5}{100}$ per cent pilotage dues, ss. <i>Lord Strachcona</i> , Quebec to Montreal, 12 ft. 5 in. draught, Montreal to Quebec, 13 ft. 4 in. draught.	125	00		" J. O. Hamelin		37 33
" 28.	Pilot J. Leveille, $\frac{5}{100}$ per cent pilotage dues, ss. <i>Rustington</i> , Batiscan to Quebec, 17 ft. draught.	3	21		" J. Léveillé		37 33
" 31.	Collector of Customs, Montreal, $\frac{1}{2}$ Trinity dues, collected in August.	1	59		" A. Lisé		37 33
Sept. 1.	Pilot N. C. Dufresne, $\frac{5}{100}$ per cent pilotage dues yacht <i>Gundreda</i> , Aug. 2, Montreal to Quebec, 13 ft. draught also Aug. 30, Montreal to Quebec, 13 ft. draught.	424	24		" D. Mathieu		37 33
" 13.	Pilot A. Paquin, $\frac{5}{100}$ per cent pilotage dues, ss. <i>Gaspesien</i> , Quebec to Montreal, 6 ft. 6 in. draught, Montreal to Quebec, 10 ft. 6 in. draught.	3	24		" E. Naud		32 00
" 27.	Pilot A. Paquin, $\frac{5}{100}$ per cent pilotage dues ss. <i>Gaspesien</i> , Quebec to Montreal, 10 ft. draught, Montreal to Quebec, 10 ft. draught.	2	50		" J. Nault		32 00
" 30.	Collector of Customs, Montreal, $\frac{1}{2}$ Trinity dues, collected in September.	2	50		" J. Toupin		18 66
					" J. Nault		32 00
					" J. Toupin		75 00
					Old pilot J. Arcand		75 00
					" C. Belisle		75 00
					" P. Belanger		75 00
					" A. Belanger		75 00
					" Z. Bouille		75 00
					" F. Desjordy		75 00
					" P. Gagnon		75 00
					" A. Naud		75 00
					" L. Mayrand		75 00
					" D. Perrault		75 00
					" L. Perrault		75 00
					" J. Sauvageau		75 00
					" T. Toupin		75 00
				Nov. 1.	By pensions paid to the following for three months ended October 31—		
					Heirs L. Bellisle		37 33
					Widow L. D. Bouillé		29 33
					" A. Dufresne		37 33
					" V. Gagnon		37 33

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Oct. 17.	Pilot A. Paquin, 5 per cent pilotage dues ss. <i>Gaspésien</i> , Quebec to Montreal, 11 ft. draught, Montreal to Quebec, 11 ft. draught.....	2 75	"	A. Gauthier.....	32 00
" 30.	Pilot N. Bouille, 5 par cent pilotage dues ss. <i>Imperial</i> , Quebec to Montreal, 11 ft. 6 in. draught.....	1 42	"	J. O. Hamelin.....	37 33
" 31.	Collector of Customs, Montreal $\frac{5}{8}$ Trinity dues, collected in October.....	387 43	"	J. Léveillé.....	37 33
Nov. 5.	Pilot A. Briéne, 5 per cent pilotage dues, ss. <i>Langfond</i> , Montreal to Batiscan, 13 ft. draught.....	1 15	"	A. Lisé.....	37 33
" 26.	Collector of Customs, Three Rivers, $\frac{5}{8}$ Trinity dues, collected at Three Rivers in 1902.....	90 35	"	D. Mathieu.....	32 00
" 28.	Collector of Customs, Three Rivers, $\frac{5}{8}$ Trinity dues, collected at Bastican in 1902.....	3 91	"	E. Naud.....	32 00
" 30.	Collector of Customs, Montreal, $\frac{5}{8}$ Trinity dues, collected in November.....	360 06	"	J. Nault.....	37 33
Dec. 11.	Collector of Customs, Sorel, $\frac{5}{8}$ Trinity dues, collected at Sorel in 1902.....	22 23	"	J. Toupin.....	32 00
" 12.	Collector of Customs, Montreal, $\frac{5}{8}$ Trinity dues, collected at Montreal, balance of 1902.....	165 12	"	Old Pilot J. Arcand.....	75 00
" 17.	Pilot C. Auger, 5 per cent pilotage dues on tug <i>Lord Stanley</i> , Quebec to Montreal, Nov. 26, 1901, draft, 9 ft. 9 in.....	1 21	Dec. 10.	C. Bellisle.....	75 00
" 20.	Pilot J. E. Pleau, 5 per cent pilotage dues on yacht <i>Gundreda</i> , Montreal to Quebec, draught, 12 ft. 6 in.....	1 55	" 20	Z. Bouillé.....	75 00
" 31.	Montreal City and District Savings Bank, interest at rate of 3 per cent per annum, on money on deposit during 1902.....	66 77	" 31.	P. Belanger.....	75 00
			" 31.	A. Belanger.....	75 00
			" 31.	F. Desjordy.....	75 00
				P. Gagnon.....	75 00
				L. Mayrand.....	75 00
				A. Naud.....	75 00
				D. Perrault.....	75 00
				L. Perrault.....	75 00
				J. Sauvageau.....	75 00
				T. Toupin.....	75 00
				Riddell & Common, audit of fund for 1901.....	25 00
				By Rev. J. T. R. Lafleche, Curé of Ste. Anne de la Pêrade, funeral expenses of late pilot G. Veillette, who died Sept. 16, 1902, leaving no estate.....	53 99
				Stationery and postage on pensions remitted during year of 1902.....	10 00
				Balance to January 1903.....	3,772 43
				Total.....	9,642 65

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DR. DAVID SEATH, Treasurer, in Account with the Montreal Delayed Pilot Fund. Cr.

STATEMENT OF THE FUND.

Nos.	Series.		\$	cts.
		Montreal harbour debentures—		
20 and 102	R	Due July 5, 1906, interest at 6 per cent, 2 × \$ 500.....	1,000	00
42 and 117-119	R	" 5, 1906 " 6 " 4 × 1,000.....	4,000	00
84	R	" 5, 1906 " 6 " 1 × 2,000.....	2,000	00
21 and 45-49	T	" 5, 1915 " 5 " 6 × 1,000... ..	6,000	00
164-172	F	" 5, 1917 " 4 " 9 × 1,000.....	9,000	00
289-290	G	" 5, 1918 " 4 " 2 × 1,000.....	2,000	00
64-65	H	" 5, 1921 " 4 " 2 × 1,000.....	2,000	00
139-142	H	" 5, 1921 " 4 " 4 × 1,000	4,000	00
231-246	J	" Jan. 5, 1924 " 4 " 16 × 1,000.....	16,000	00
		City of Montreal consolidated fund—		
165.....		Due July 1, 1910, interest at 5 per cent, 50 × \$100.....	5,000	00
		Cash in Montreal City and District Savings Bank at 3 per cent...	3,772	43
			54,772	43

DAVID SEATH,
Treasurer.

MONTREAL, December 31, 1902.

We hereby certify that we have examined the entries for the year 1902, as recorded in the preceding pages, and have found them to agree with vouchers on file. Also, that debentures and certificates to the amount of \$54,772.43, as described in statement on opposite page, have this day been submitted for our inspection.

RIDDELL & COMMON, C.A.,
Auditors.

MONTREAL, January 6, 1903]

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APPENDIX No. II.

REPORT OF THE QUEBEC PILOTAGE AUTHORITY FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

HARBOUR COMMISSIONERS' OFFICE,

QUEBEC, January 20, 1903.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to transmit you, herewith, in duplicate, the Commissioners' Report as Pilotage Authority for the year 1902, as also the various statements containing the information yearly conveyed to your department.

I have the honour to be, sir,
Your most obedient servant,

JAS. WOODS,
Secretary-Treasurer.

QUEBEC HARBOUR COMMISSIONERS' REPORT AS PILOTAGE AUTHORITY FOR THE YEAR 1902.

(Under 36 Victoria, Chapter 54, Section 22.)

QUEBEC, January 2, 1903.

To the Honourable RAYMOND PREFONTAINE,
Minister of Marine and Fisheries, &c., &c., &c.,
Ottawa.

SIR,—In compliance with the requirements of 'The Pilotage Act,' 36 Victoria, chapter 54, section 22, I have the honour to submit the following report from the Quebec Harbour Commissioners as Pilotage Authority for the year 1902.

SERVICE OF THE PILOTAGE STATIONS.

The operations of the year began on April 15, when eight pilots left by the cars for the pilotage station to embark on the Pilot Schooner *La Vigie* that had wintered at Bic.

Four other pilots left by the cars on April 22, and the pilot schooner *La Mouette* sailed for the station at Bic with twelve pilots on board on April 24.

As usual all the pilot stations have been provided with pilots during the season through the Intercolonial Railway and the pilot schooners, and the service has been performed to the satisfaction of the Commissioners.

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OLD PILOTS.

Previous to the opening of navigation, nine of the old pilots who had attained the age of sixty-five and over, were summonned before the Commissioners under the authority of the 32nd section of 'The Pilotage Act,' in order to ascertain whether they could continue in the exercise of their duties for the ensuing year. Previous to coming before the Pilotage Authority these old pilots had passed an examination before a specialist, selected by the Commissioners, as to their sight, colour sight, and hearing, and at this final examination eight were found to be competent to perform their duties, and their licenses were accordingly renewed for one year.

One old pilot No. 9 on the list of 1901, whose eyes were found to be diseased, was not allowed to pilot until they were in a better condition, and as he has not as yet been able to satisfy the Commissioners, has not been piloting this year.

PILOTS SUPERANNUATED.

Two pilots have been placed on the retired list during the year, viz :—

Joseph Pouliot, of St. John, Orleans, and Achille Damours of St. Valier. Pilot Pouliot received his branch Sept. 23, 1853, and Pilot Damours on June 16, 1863. Pilot Pouliot having thus served for forty-nine years, and Pilot Damours for nearly forty years. Pilot Damours' resignation dating from December 1, 1902.

DEATHS.

Three pilots have died during the year, viz :—

Messrs. David Damours, Jean-Baptiste Pouliot, sr., and Théophile Gourdeau.

Pilot Damours was branched on September 15, 1854, Pilot Pouliot on August 20, 1861, and Pilot Gourdeau on October 7, 1870, thus having respectively forty-eight, forty one, and thirty-two years of service.

COMPLAINTS AGAINST THE PILOTAGE SERVICE.

Complaints of delay in getting their pilots at Bic have been made by the Master of the SS. *Arona*, and by the Dominion Iron & Steel Co., for their SS. *Pola*; in both of those cases the answers of the Corporation of Pilot were sent to the complainants, and no reply received.

The Commissioners are of opinion that the present schooner and boat service is altogether inadequate for present needs, and should be at once replaced by a proper steam tender service, and this change they have been urging upon the Corporation of Pilots.

TRIALS.

Three pilots have been placed on trial before the Commissioners during the season of 1902, two of them under complaints from the masters of the vessels of which they were in charge; and the third Samuel Rioux, Pilot No. 68 (against whom no complaint was lodged) under the provisions of Sec. 100 of the Pilotage Act (45 Vict., chap. 32 s. 4).

In two of these cases the pilots were found guilty, and in the third, that of Samuel Rioux a verdict of not guilty was rendered. A statement annexed to this report conveys the particulars as to the nature of the complaints and the result of the trials.

BY-LAWS.

The Commissioners' by-laws as the Pilotage Authority of the Pilotage District of Quebec were approved by Order in Council of date April 15, and were published in the *Canada Gazette* and came into force on April 26.

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Under Article 21 of those by-laws, all the pilots on the active list under the age of 65 years, with the exceptions of Messrs Jos. Pouliot, Theop. Gourdeau, Jean Ev. Adam and John A. Irvine, were examined by a specialist appointed by the Commissioners, as to their sight and hearing ; this examination under the by-law has to be repeated every third year. The pilots named, who did not undergo this examination, are not engaged in piloting, and cannot pilot until they are so examined.

IMPROVEMENTS TO AIDS TO NAVIGATION IN THE PILOTAGE DISTRICT OF QUEBEC.

On June 24, the Commissioners had the pleasure of having an interview with the then Minister of Marine and Fisheries, the Honourable James Sutherland, on the important question of improving the aids to navigation in the pilotage district of Quebec. At this meeting there was also present the deputy Minister of Marine and Fisheries, Chief Engineer, and Mr. J. U. Gregory, the agent of the department in Quebec.

The Commissioners took the opportunity of placing before the honourable the Minister, the changes and additions that they considered necessary, and which will be found in detail in the report of 1901.

At the close of a very pleasant interview, the honourable the Minister said that he did not see that any of the requests made could not be granted, there might be a difference of opinion as to some of them in regard to their importance and necessity ; but if they were found to be useful, it was the department's policy to carry them out, and he assured the Commissioners that their recommendations would be attended to with all possible dispatch.

BUOY AT MOUTH OF SAGUENAY.

A numerously signed petition from merchants and mariners on the St. Lawrence and Saguenay Rivers asking that the buoy previously placed on the west side of Red Island on the Batture au Loup Marin, should be replaced as before, being very useful for the Saguenay route, was received by the Commissionners in August. Application in this sense was made to the Department of Marine and Fisheries, and the buoy in question placed in the desired position.

PILOTAGE EARNINGS.

According to a return received from the Secretary-Treasurer of the Corporation of Pilots for and below the harbour of Quebec, their gross earnings for the season have been \$112,693.59, and the total expenses \$21,317.60, leaving a net balance of \$91,375.99 to be divided among 111 or 112 pilots, giving them a dividend of \$823 each.

Out of the sum of the gross earnings of \$112,693.59, British vessels gave a return of \$110,141.39, and foreign vessels \$2,552.20.

DIRECTORS OF THE CORPORATION OF PILOTS.

At their annual meeting held on December 10 last, the pilots elected the following directors to their corporation for the ensuing year : Messrs. L. E. Morin, Edmond Laroche, sr., Joseph Fortier, Léon Labrecque, Joseph H. Talbot and Louis Thivierge, and at a subsequent meeting of the new board held on December 11, Mr. L. E. Morin was re-elected president.

Annexed to the present report are the various statements not herein alluded to, which contain all the information yearly conveyed to your department by the Commissioners in their capacity of the Pilotage Authority.

I have the honour to be, sir, Your most obedient servant,

JAS. WOODS, *Secretary-Treas.*

PILOTAGE TARIFF

RATES of Pilotage for the Harbour of Quebec and below, as per By-Law passed by the Quebec Harbour Commissioners, on June 18, 1891, and sanctioned by His Excellency the Governor General in Council on June 26, 1891.

TABLE 1.

RATES of Pilotage for the Harbour of Quebec and below, for each foot of Draught of Water.

From	To	From May 1 to Nov. 10.	From Nov. 10 to Nov. 19.	From Nov. 19 to March 1.	From March 1 to May 1.
Bic Island or any place below the anchorage of Brandy Pots, off Hare Island.....	Anchorage or mooring ground in the basin or harbour of Quebec	\$3.87	\$4.95	\$6.02	\$4.41
The anchorage ground at the Brandy Pots off Hare Island or any place above the said anchorage ground and below St. Roch's Point. ...					
St Roch's Point or any place above this Point and below the Point-aux-Pins, on Crane Island..					
Point-aux-Pins or Crane Island or any place below St. Patrick's Hole.....					
The anchorage or mooring ground in the basin or harbour of Quebec.....	Bic Island or the place where the pilot shall be discharged in the river below Quebec..	\$3.40	\$4.46	\$5.64	\$3.93

TABLE II.

RATES of Pilotage for the Harbour of Quebec and below.

From.	To.	
Any wharf in the harbour of Quebec between Pointe à Carcy, below, and the west-end of the Allan's wharf above, both inclusive.....	Any other wharf within said limits.....	\$ cts. 2 50
Any place in the harbour of Quebec, not being a wharf within the above mentioned limits.....	Any other place in the said harbour not being a wharf within the said limits....	5 00

Pilots taking charge of the vessels at St. Patrick's Hole or above it, shall be entitled to no more than the sum allowed in Table II for piloting vessels from one part of the harbour to another.

J.-B. LALIBERTÉ,
Chairman.
JAS. WOODS,
Secretary-Treasurer.

HARBOUR COMMISSIONERS' OFFICE, }
QUÉBEC, January 2, 1903. }

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STATEMENT showing the number of Pilots for and below the Harbour of Quebec, on the active list, on December 31, 1902; the number who retired, struck off the active list, or died during the year; the number temporarily suspended; the number who were unable to serve; the number in charge of Government steamers, &c.

Number.	Name.	Age.	Residence.	NUMBER OF PILOTAGES EFFECTED.			Casualties and Remarks.
				Inwards.	Outwards.	Movages.	
1	Charles Francis Brown	75	Quebec	4	3	3	
2	Paul Pâquet	71	St. John, Orleans	4	4	3	
3	Georges Normand	72	Crane Island	4	3	3	
4	Numa Lachance	68	St. Michel, Bellechasse	4	3	3	
5	Joseph Gravel	76	Quebec	4	2	3	
6	Jean-Bte Pouliot	61	St. John, Orleans	4	3	2	
7	Joseph Pâquet	65	Quebec	0	0	0	Sick all the season.
8	Louis Edmond Morin	64	"	11	10	1	Employed by the Thompson Line. President of the Corporation of Pilots. Re-elected at last election.
9	Moïse Lachance	65	St. John, Orleans	4	4	3	
10	Joseph T. Brown	67	Quebec	3	4	2	
11	Hubert Raymond	63	"	6	6	1	
12	Achille Danours	63	St. Valier	4	4	3	
13	Joseph Pouliot	59	St. John, Orleans	0	0	0	Sick all the season.
14	Edmond Larochele, sr.	59	Quebec	0	0	0	One of the directors of the Corporation of Pilots. Re-elected at last election.
15	Laurent Godbout	59	"	4	3	3	
16	Adelme Pouliot	63	St. Laurent, Orleans	4	3	3	
17	Bart. Pepin dit Lachance	57	St. John, Orleans	15	16	1	Employed by the Black Diamond Line.
18	Frs-Xav. Delisle	57	Quebec	3	4	2	Master of the Saguenay Station.
19	Damien Eugène Boulanger	59	Tadousac	0	0	0	
20	Cyprien Langlois	58	St. John, Orleans	4	3	3	
21	Charles Normand	56	Quebec	13	19	1	Employed by the Black Diamond Line.
22	Napoléon Rioux	57	Ste. Pétronille, Orleans	3	5	3	
23	Jean-Bte Tremblay	59	Quebec	3	5	2	
24	Ray. Baquet dit Lamontagne	57	Notre-Dame, Lévis	15	15	1	Elder-Dempster Line.
25	Frs-Xav. Lamarre	56	St. Valier	5	3	3	
26	Moïse Pouliot	54	St. John, Orleans	4	4	3	
27	Paul Gobeil	56	"	3	4	3	
28	Chs. Alarie Raymond	54	Château-Richer	5	4	3	
29	Victor Vézina	57	Quebec	11	12	1	Thompson Line.
30	L. B. O. Goutron dit Larochele	55	St. Michel, Bellechasse	22	18	1	Allan Line.
31	Chs. Hermie alias A. Bernier	57	"	5	3	3	

STATEMENT showing the number of Pilots for and below the Harbour of Quebec, &c.—*Continued.*

Number.	Name.	Age.	Residence.	NUMBER OF PILOTAGES EFFECTED			Casualties and Remarks.
				Inwards.	Outwards.	Movages.	
32	Louis Robert Demers	56	Quebec	15	15	3	Employed by the Quebec Steamship Company.
33	Vital Ephrem Chamberland.....	62	Quebec	0	0	0	Office keeper.
34	Joseph G. Dupil.....	55	"	19	19	1	Employed by the Allan Line.
35	Joseph Fortier	58	St. John, Orleans	12	11	1	by the Black Diamond Line. Elected director of the Corporation of Pilots at last election.
36	Nestor Lachance.....	57	"	9	6	1	Holme Line.
37	Cyrille Audet dit Lapointe. . .	57	St. Michel, Bellechasse	3	3	3	
38	Joseph Lapointe.....	59	St. Laurent, Orleans	5	2	2	
39	Pierre Pepin dit Lachance.	53	Montreal.....	15	15	1	Black Diamond Line.
40	Théophile Gourdeau.	58	Lauson, Levis	0	0	0	Died July 4, 1902.
41	Isiode Noël.	52	St. John, Orleans	5	3	3	Sick all the season.
42	Jean Evariste Adam.	58	Trois-Saumons.....	0	0	0	Employed by the Elder-Dempster Line.
43	Alfred Larochele.	52	St. Michel, Bellechasse	14	15	1	One of the directors of the Corporation of Pilots.
44	Théophile Corriveau	55	Quebec	1	1	0	at last election. Not re-elected
45	Elzéar Godbout.	54	"	12	12	1	Employed by the Black Diamond Line.
46	Pierre Gobeil.....	54	St. John, Orleans	4	3	3	
47	Théodule Pepin dit Lachance.	57	Montreal.....	13	14	1	"
48	Achille Treffe Simard.	51	St. Joseph, Levis	15	21	1	Head Line.
49	Jean-Bte Patoine.	51	Montreal.....	5	6	1	Black Diamond Line.
50	Narcisse Lavoie.	53	Ste. Luce, Rimouski	0	0	0	Master of pilot schooner <i>Vigie</i> .
51	Joseph Emilio Couillard.....	51	Quebec	8	8	0	Employed by the Ross Company.
52	Louis Albert Royer.....	57	"	6	7	1	Intercolonial Mine Company.
53	Onésime Noël.....	50	St. John, Orleans	12	12	1	Thompson Line.
54	Napoléon Baillargéon.	52	Quebec	5	4	3	
55	Frs-X. Demeules.....	50	St. John, Orleans	4	4	3	
56	Louis Honoré Lapierre.....	52	Notre-Dame, Levis.....	4	4	0	
57	Jos. Eugène Lachance.....	48	St. John, Orleans.....	14	14	1	Leyland Line.
58	David Arthur Bouffard.....	48	St. Laurent, Orleans	4	5	3	
59	Jean Théophile St. Laurent.....	51	Quebec.	17	11	1	Elder-Dempster Line.
60	Jacques Georges Dugas.....	50	St. Joseph, Levis	3	3	3	
61	Joseph Victor Gourdeau.....	55	Ste. Pétronille, Orleans.....	3	4	3	
62	Louis alias Treffe Delisle.....	48	Trois-Pistoles.....	2	5	3	
63	J.-Bte Couillard	51	Cap St. Ignace.....	9	9	1	
64	Chs. Pelletier	52	St. Michel, Bellechasse	5	3	3	

STATEMENT showing the number of Pilots for and below the Harbour of Quebec, &c.—*Concluded.*

Number.	Name.	Age.	Residence.	NUMBER. OF PILOTAGES. EFFECTED.			Casualties and Remarks.
				Inwards.	Outwards.	Movages.	
111	Paul alias Napoléon Pouliot.....	43	St. John, Orleans.....	3	3	3	Employed by the Elder-Dempster Line. " Donaldson Line. Canadian Transportation and Export Co.
112	Adélaré Bernier.....	41	Quebec.....	13	17	1	
113	Adélaré Vézina.....	32	St. Michel, Bellechasse.....	4	2	3	
114	Jean-Bte. Pouliot.....	32	St. John, Orleans.....	18	14	1	
115	Joseph Thivierge.....	33	"	5	5	1	
116	Léonidas Lachance.....	32	"	4	4	3	
117	Eudore Langlois.....	40	"	4	4	3	
118	Frs.-X. Eust. alias Wm. Doiron.	42	St. Joseph, Levis.....	3	4	3	

HARBOUR COMMISSIONERS' OFFICE.
QUEBEC, January 2, 1903.

Certified,

JAS. WOODS,
Secretary-Treasurer.

SESSIONAL PAPER No. 23

STATEMENT of trials held during the year 1902, before the Quebec Harbour Commissioners, under the authority of the Pilotage Act, 36 Vic., chap. 54, and 45 Vic., chap. 32, sec. 4.

Name of Pilot Tried.	Nature of Complaint.	Date of Trial.	Result.
Alphonse Asselin.	Running the ss. <i>Manchester Importer</i> ashore on White Island Reef on August 23, 1902.	Sept. 5....	Found guilty and suspended to May 1, 1903.
Jos. Eugène Larochelle..	Running the ss. <i>Iberian</i> ashore on Red Island Reef on October 30, 1902.	Nov. 7....	Found guilty and suspended for eighteen months.
Samuel Rioux	Investigation under the 45 Vic., chap. 32, sec. 4. Colliding ss. <i>Sicilian</i> with some object between Point St. John and Bellechasse Island on or about Nov. 24, 1902.	Dec. 1 ...	Found not guilty.

LIST of Apprentice Pilots immediately under the Quebec Harbour Commissioners' Pilotage Authority on December 31, 1902.

No.	Names.	When Indentured.	Remarks.
1	Georges Dugas	April 11, 1871 ...	Absent since the fall of 1877.
2	Ernest Nolet	March 19, 1874....	Absent since the fall of 1878.

Certified,

HARBOUR COMMISSIONERS' OFFICE,
QUEBEC, January 2, 1903.

JAS. WOOD.
Secretary-Treasurer.

QUEBEC, December 31, 1902.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to transmit to you a detailed statement, in duplicate, of the moneys received and expended by the Decayed Pilot Fund of Quebec ; all of which has been revised and attested :—

The total amount of receipts was..... \$112,693.59
The total expenditure was..... 21,317.60
Leaving a net balance of..... 91,375.99

To be distributed among 111 to 112 pilots, giving a net dividend of \$823.
Twenty-nine foreign vessels paid in \$2,552.20 and seven hundred and seventy-one British vessels paid in \$110,141.39.
Three pilots died during the year :—Messrs. David Damour, Theophile Gourdeau and Jean Baptiste Pouliot, sr.
All of which is humbly submitted.

F. X. DION,
Secretary-Treasurer.

THE CORPORATION OF PILOTS.

STATEMENT of moneys received and expended by the Corporation of Pilots for the
Decayed Pilot Fund of Quebec, during the year 1902.

RECEIPTS.	\$ cts.	Two Pilots at \$126.	\$ cts.
To balance of 1901	5,688 76	Pouliot, Paul..	126 00
Percentage on contribution of pilots....	7,897 57	Raymond, Léandre.....	126 00
Church wardens of St. Fulgence on account of capital.....	500 00		252 00
Thomas Gray on account of capital.....	400 00	One Pilot at \$80.	
Interest on investments.....	4,419 47	Forbes, Isaac.....	80 00
Interest from savings bank.....	304 07		
	19,209 87		
EXPENDITURE.		WIDOWS.	
By pensions	9,566 18	Thirty Widows at \$100.	
By relief.....	741 09	Widow Audet, George, died January 24, 1902.....	22 83
General expenses.....	5 00	" Bernier, J. Bte.....	100 00
Salaries.....	550 00	" Baquet, Annibal.....	100 00
Churchwardens of St. Romuald, loan...	4,000 00	" Brown, Charles, died January 15, 1902.....	20 83
Deposits in savings bank.....	4,200 00	" Bouffard, David.....	100 00
Balance on hand.....	147 60	" Caron, Maximin.....	100 00
	19,209 87	" Demers, Victor.. ..	100 00
RELIEF GIVEN.		" Després, Auguste.. ..	100 00
Adam, J. E.....	200 00	" Dion, J. Bte.....	100 00
Pouliot, Joseph, 2.....	200 00	" D'Amours, David, pensioned May 14, 1902.....	46 06
Gourdeau, Théophile.....	118 90	" Delisle, Magloire.....	100 00
Pouliot, Joseph, 1.....	88 87	" Dumas, Charles, acc.....	75 00
Paquet, Joseph, 1.	133 32	" Dumas, François.....	100 00
	741 09	" Dufresne, Jérémie.. ..	100 00
		" Gobeil, Antoine.....	100 00
		" Godbout, Laurent.....	100 00
		" Gobeil, Jean.....	100 00
		" Jouvin, Hilaire, acc.....	75 00
		" Langlois, Paul.....	100 00
		" Laprise, Louis.....	100 00
		" Lavoie, Louis Joseph.....	100 00
		" Lapierre, Pierre, died October 2, 1902.....	92 00
		" Lapointe, Antoine.....	100 00
		" Pouliot, J. Bte., pensioned Oct. 12, 1902.....	5 13
		" Pelletier, Alexis.....	100 00
		" Pouliot, Jean.....	100 00
		" Ménard, Régis, pensioned May 28, 1902.....	42 28
		" Marcoux, Edouard.....	100 00
		" Vaillancourt, Alex.....	100 00
		" Vézina, Charles.....	100 00
			2,579 13
		Seventeen Widows at \$96.	
		Widow Coulombe, Jean.	96 00
		" Delisle, F. X.....	96 00
		" Delisle, Jean.....	96 00
		" Dumas, Hubert.....	96 00
		" Forgues, Narcisse.....	96 00
		" Fontaine, Pierre, died Dec. 1, 1902.....	104 30
		" Guénard, Michel....	96 00
		" Gourdeau, Théop., pensioned July 4, 1902.....	31 29
		" Lachance, Barth., died May 5, 1902.....	49 35
		Carried forward.....	584 30

SESSIONAL PAPER No. 23

STATEMENT of moneys received and disbursed by the Corporation of Pilots for the
Decayed Pilot Fund of Quebec, &c.—Continued.

	\$	cts.		\$	cts.
Brought forward	584	30	<i>Seven Widows at \$83.</i>		
Widow Lamarre, Jean Frs.....	96	00	Widow Côté, François, died October 6, 1902.....	77	65
" Laprise, Pierre.....	96	00	" Dion, Jean, died Dec. 17, 1902.....	93	58
" Lemieux, Pierre.....	96	00	" Koenig, C. F.....	83	00
" Marticotte, Isaïe.....	96	00	" Lachance, Ovide	83	00
" Morency, Joseph.....	96	00	" Lévesque, Joseph.....	83	00
" Pepin dit Lachance, Jcs., pen- sioned March 15, 1902.....	60	42	" Pineau, Benj.....	83	00
" Ruelland, Pierre.....	96	00	" Pelletier, D. F.....	58	00
" Thiviérge, Louis.....	96	00	" " arrears.....	25	00
	1,493	36		586	23
<i>Nine Widows at \$94.</i>			<i>Three Widows at \$69.</i>		
Widow Babin, Damase, died Dec., 19, 1901.....	12	50	Widow Côté, Célestin.....	69	00
" Demers, Edouard.....	94	00	" Lachance, F. X.....	69	00
" Doiron, Eustache.....	94	00	" Turgeon, Edouard.....	69	00
" Fortin, Nicholas.....	94	00		207	00
" Genest, Amable.....	94	00	<i>Three Widows at \$58.</i>		
" Gaudreau, Frs ..	94	00	Widow Dandurand, Jacques, died Nov. 30, 1901.....	4	84
" Lapointe, Joseph.....	94	00	" Dallaire, Nap.....	58	00
" Desprès, George.....	86	00	" Morency, Guill.....	58	00
" " arrears since 1894	27	00		120	84
" Sansterré, Adélar, pensioned November 29, 1901.....	86	67	<i>Five Widows at \$55.</i>		
	776	17	Widow Caron, Fabien	55	00
<i>Seven Widows at \$92.</i>			" Côté, Magloire	55	00
Widow Bernier, Jos. F. X.....	92	00	" Larochelle, Laurent.....	55	00
" Curodeau, Pierre, acc.....	69	00	" McNeil, Thomas, died January 31, 1902.....	13	75
" Crépault, Louis.....	92	00	" Turgeon, Alfred.....	55	00
" Cinq-Mars, David, died Feb. 9, 1902.....	25	30		233	75
" Mercier, Magloire.....	92	00	<i>Children.</i>		
" Roy, Alexis.....	92	00	Child of Boutin, Thos., arrears	11	20
" Langlois, Philéas, increased from \$83 to \$92	92	00	" " acc.....	13	00
" " arrears.....	17	70	" Couillard, Hilaire, arrears.....	11	20
	572	00	" " acc.....	13	00
<i>Ten Widows at \$86.</i>			" Dugas, Jean.....	26	00
Widow Fournier, Amable.....	86	00	" Dion, Charles, died February 11, 1902.....	7	30
" Dion, Joseph.....	86	00	" Babin, Damase, acc.....	13	00
" Dion, Alfred.....	86	00	" " pensioned Feb. 1, 1902.....	6	50
" Dennis, Glynn.....	86	00	" Asselin, Louis, died January 15, 1902.....	5	45
" Langelier, Fabien.....	86	00	" Chouinard, Charles.....	26	00
" Langlois, Julien.....	86	00	" Forbes, Isaac (2).....	48	00
" Laroche, J. Bte., died April 1, 1902.....	35	84	" Fortin, N., arrears	5	60
" Lavoie, A. (L.M.).....	86	00	" " died Jan. 6, 1902..	5	03
" Noël, Henri.....	86	00	" Giroux, Jean.....	26	00
" Ross, Pierre.....	86	00	" Gobeil, Jean.....	26	00
	809	84	" Langlois, Joseph.....	26	00
			" Noël, François.....	26	00
			" Plante, Joseph.....	26	00
			" Touissant, Pierre.....	26	00
				340	78

2-3 EDWARD VII., A. 1903

STATEMENT of moneys received and disbursed by the Corporation of Pilots for the
Decayed Pilot Fund of Quebec, &c.—*Concluded.*

RECAPITULATION OF PENSIONS.		\$	cts.			\$	cts.
6 Pilots at \$172.....		882	88	10 widows at \$86.....		809	84
2 " 156.....		214	25	7 " 83.....		586	23
2 " 140.....		280	00	3 " 69.....		207	00
1 " 138.....		138	00	3 " 58.....		120	84
2 " 126.....		252	00	5 " 55.....		233	75
1 " 80.....		80	00				
14 pilots.				91 widows.			
30 widows at \$100.....		2,579	13	16 children at \$26.....		340	78
17 " 96.....		1,493	36				
9 " 94.....		776	17				
7 " 92.....		572	00	In all 121 pensioners.		9,566	18
DR.				CR.			
RECEIPTS.		\$	cts.			\$	cts.
To balance of 1901.....		5,688	76	By relief and pensions paid during the year 1902:—			
To Trustees of Quebec roads, 1 year's interest to July 1, 1902, on \$22,800, 6 per cent.....		1,368	00	By relief.....		741	09
Debentures of city of Quebec, class B, 1 year's interest at 7 per cent on \$9,000.....		630	00	By arrears of pensions.....		28	00
Treasury Department, 1 year's interest to July 1, 1902, on \$20,000 at 5 per cent.....		1,000	00	Quarter ended January 31, 1902.....		2,518	04
To Church Wardens of St. Fulgence, interest received.....		113	14	" April 30, 1902.....		2,338	85
To Church Wardens of St. Fulgence, acct. on capital.....		500	00	" July 31, 1902.....		2,367	28
To Church Wardens of St. Valier, 1 year's interest on \$15,000 at 4 per cent.....		600	00	" October 31, 1902.....		2,314	01
Thomas Gray, acct. on capital received. 1 year's interest on \$2,000.....		400	00	By general expenses.....		5	00
To Church Wardens of St. Romuald, 1 year's interest on \$12,000 at 4 per cent.....		480	00	By salaries of secretary-treasurer and assistant.....		550	00
Savings hanks, 1 year's interest, Banque Nationale and Quebec Bank.. . .		304	07	Loan to Church Wardens, St. Romuald		4,000	00
Contributions of Pilots.....		7,897	57	Deposits in savings banks—Banque Nationale and Quebec Bank.....		4,200	00
To Corporation of pilots, 1 year's interest on \$2,500 at 4 per cent.....		100	00	Balance on hand.....		147	60
		19,209	87				
				STATEMENT OF FUND.			
				Moneys loaned.....		89,300	00
				Moneys in savings bank.....		4,200	00
				Moneys in the hands of the sec.-treas..		147	60

SESSIONAL PAPER No. 23

F. X. DION in current account with the Corporation of Pilots of Quebec to
December 31, 1902.

DR.	\$ cts.	CR.	\$ cts.
To balance of 1901.. .. .	521 88	By expenses pilot boats....\$	641 63
Reserve fund.....	500 00	Less.....	30 31
Pilots' retirement fund.....	1,000 00		
Customs, Montreal.....	54,754 03	Expenses of pilots.....	660 00
" Three Rivers.....	2,686 71	General expenses.....	1,118 68
" Sorel.....	647 63	Less.....	0 80
" Batiscan.....	119 45		
" St. Thomas.....	772 80	Provisions	1,325 41
" Tadousac.....	227 99	Less	18 24
" Chicoutimi.....	675 47		
" Trois Pistoles.....	184 23	Rent.....	479 13
" Rivière du Loup.....	200 35	Less.....	50 00
Interest, Banque Nationale.....	104 80		
Pilot boat, Hon. Dr. Price.....	775 00	Apprentices' wages.....	165 55
Lost time.....	1,564 34	Seamen's	415 72
Fines.....	320 00	Cooks'	405 55
Pilotage collected at Quebec.....	52,424 93	Indemnity to directors.....	587 13
		" captains.....	290 00
		" Saguenay station...	250 00
		Pilot boat shares.....	4,000 00
		Interest paid on loans.....	100 00
		Legal advisers	197 70
		Insurance	110 68
		Pilotage remitted.....	1,315 33
		Salaries of employees.....	1,550 00
		Decayed pilots' fund.....	7,804 44
		Retired pilots' fund	2,000 00
		Reserve fund.....	1,000 00
		Dividends.....	92,445 00
		Balance	717 01
	117,479 61		117,479 61

F. X. DION,
Secretary Treasurer.

We, the undersigned, officially appointed to examine the books and accounts of the Corporation of Pilots of Quebec, certify to having found them correct.

THOS. BOISSINOT,
Accountant.

J. G. DUPIL,
F. X. DELISLE,
Auditors.

QUEBEC, December 31, 1902.

APPENDIX No. 12.

REPORT OF THE PILOTAGE AUTHORITY OF HALIFAX, N.S., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

HALIFAX, N.S., January 16, 1903.

Hon. Minister Marine and Fisheries,
Ottawa.

SIR,—I beg leave to transmit for the information of the department the enclosed returns of the Pilotage District of Halifax, N.S., viz:—

Statement receipts and expenditure.

Statement superannuation fund.

Return inwards of British and foreign vessels.

Return outwards of British and foreign vessels.

List of licensed pilots.

List of pensioners.

Respectfully,
Your obedient servant,J. TAYLOR WOOD,
Secretary-Treasurer.

OFFICE OF COMMISSIONERS OF PILOTS,

HALIFAX, N.S., December 31, 1902.

RECEIPTS AND EXPENDITURE.

DR.	\$ cts.	CR.	\$ cts.
Salary.....	400 00	Balance on hand, Dec. 31, 1901.....	1,289 58
Rent	325 00	Outward pilotage.....	1,576 80
Printing, telephone, sundries.....	425 49	Commissions.....	1,601 90
Superannuation ...	2,822 66	Interest.....	783 59
Balance... ..	1,316 72	Licenses, bonds, &c... ..	238 00
Total.....	5,489 87	Total.....	5,489 87

J. TAYLOR WOOD,
Secretary-Treasurer.

E. & O. E.

SESSIONAL PAPER No. 23

SUPERANNUATION FUND.

DR.	\$ cts.	CR.	\$ cts.
Union Bank.....	887 16	Balance, December 31, 1901.....	20,893 83
" special	2,000 00	Commissions.....	799 86
Savings Bank.....	7,741 15	Interest.....	783 59
Dominion securities.....	11,947 97	Licenses, bonds &c.....	238 00
		Transferred from general fund... ..	1,000 00
			23,715 28
		Less paid pensions.....	1,140 00
Total	22,575 28	Total.....	22,575 28

E. O. E.
Examined and found correct.
GEO. MITCHELL, Auditor.

J. TAYLOR WOOD,
Secretary-Treasurer.

OFFICE OF COMMISSIONERS OF PILOTS,
HALIFAX, N.S., December 31, 1902.

RETURN of vessels entered Inwards at the Port of Halifax, N. S., from January 1, 1902,
to December 31, 1902, subject to compulsory Pilotage.

BRITISH,

Schooners.	Brigantines.	Barkentines	Barks.	Ships.	Barges.	Steamers.	Tonnage.	Pilot Fees.
60	6	7	2	1	72	586	910,677	\$. cts. 14,243 80

FOREIGN.

44	3	19	1	130	205,311	3,897 40
----	----------	---	----	-------	---	-----	---------	----------

RETURN of vessels entered Outwards at the Port of Halifax, N.S., from January 1, 1902,
to December 31, 1902, subject to compulsory Pilotage.

BRITISH.

Schooners.	Brigantines.	Barkentines	Barks.	Ships.	Barges.	Steamers.	Tonnage.	Pilot Fees.
13	8	2	1	12	515	894,063	\$. cts. 7,516 10

FOREIGN.

8	3	8	18	1	128	203,734	2,116 75
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J. TAYLOR WOOD. Secretary-Treasurer.

OFFICE OF COMMISSIONERS OF PILOTS,
HALIFAX, N.S., December 31, 1902.

List of Pilots, Port of Halifax.

No.	Name.	Residence.	Age.	Remarks.
1	.....	.....
2	.....	.....
3	James Holland.....	Duncan's Cove.....	66	
4	William Baker	Halifax.....	47	
5	Lawrence Hayes.....	Herring Cove.....	24	2nd class certificate.
6	Frank Thomas.....	"	27	"
7	Bernard Brackett.....	"	23	"
8	William Hayes.....	"	28	
9	.....	.....
10	.....	.....
11	Edward Byers.....	Halifax.....	61	
12	James Hanrihan.....	Ferguson's Cove	65	
13	William Beazley.....	"	62	
14	John Hayes.....	Halifax.....	52	
15	James Spears.....	"	44	
16	John F. Beazley.....	"	42	
17	William Gorman	Herring Cove.....	28	
18	Charles F. Martin.....	Halifax.....	37	
19	William White.....	Ferguson's Cove.....	45	
20	Thomas Hayes.....	Halifax.....	43	
21	Thomas Reno	Herring Cove.....	42	
22	Frank Mackey.....	Halifax.....	30	
23	Henry Latter.....	"	38	
24	.....	.....
25	.....	.....
26	James Fleming.....	Halifax.....	63	

List of Persons on the Pension Roll.

Name.	Age.	Residence.	Amount of Pension allowance.
John Fleming.....	89	Ketch Harbour.....	\$150
Patrick Hayes	80	Herring Cove.....	150
Bernard Gallagher.....	77	Halifax.....	150
Joseph Reno.....	76	Herring Cove.....	150
Jeremiah Holland.....	70	Duncan's Cove.....	150
Hugh Monroe	67	Halifax.....	150 com. Jan. 1, 1903
Mrs. L. Nickerson.....	68	Sambro	30
Mrs. Mary Smith.....	66	Halifax.....	30
Mrs. Mary Glazebrooke.....	57	"	30
Mrs. Charles Martin.....	70	"	30
Mrs. Daniel Martin	44	"	30
Mrs. John Johnson	70	Bear Cove	30
Thomas Martin.....	16	Halifax.....	15
Elizabeth Martin.....	10	"	15
Barbara Martin.....	9	"	15
Catherine Martin.....	7	"	15
Mary Glazebrook.....	13	"	15
Charles Glazebrook.....	11	"	15
			\$1,170

J. TAYLOR WOOD,
Secretary-Treasurer.

APPENDIX No. 13.

REPORT OF THE PILOTAGE AUTHORITY OF PICTOU, N.S., FOR THE
 CALENDAR YEAR ENDED DECEMBER 31, 1902.

Pictou, N.S., February, 1, 1903.

F. GOURDEAU, Esq.,
 Deputy Minister of Marine and Fisheries,
 Ottawa.

SIR,—Enclosed you will please find pilotage returns for the Port of Pictou, N. S.,
 for the season ended 1902

I am, sir,
 Your obedient servant,

DODD DWYER,
Secretary.

TOTAL amount received for Pilotage dues, season 1902.

	\$	cts.	\$	cts.
Amount received for pilotage dues for season :—				
Received from steamships.....	3,229	83		
" " sailing ships.....	453	67		
			3,683	50
Of this amount—				
Received from British ships.....	932	94		
" " foreign ships.....	2,750	56		
			3,683	50

Certified
 A. B. BÉLANGER,
Master s.s. Compana.

EARNINGS of Pilots for 1902.

	Name.	Age	\$	cts.	\$	cts.
1	James Fraser	71	39	00		
2	Wm. A. Cooke.....	64	254	35		
3	Chas. A. Cooke.....	54	644	89		
4	Geo. W. Powell.....	51	343	96		
5	Dan. S. Smith... ..	51	592	00		
6	Angus Smith.....	45	976	00		
7	McGregor. Fraser	34	756	30		
					3,606	50

2-3 EDWARD VII., A. 1903

RECEIPTS and Expenditure of all Moneys received by or on behalf of the Pilotage Authority, in respect of Pilots or Pilotage.

RECEIPTS.	\$ cts.	\$ cts.
Received pilotage as per statement.....	3,683 50	
" from seven pilots renewed bonds.....	7 00	
" " Capt. Belanger.....	40 00	
Balance due secretary.....	149 50	3,880 00
EXPENDITURE.		
Paid pilots for pilotage.....	3,606 50	
" secretary, salary.....	200 00	
Balance due 1901.....	73 50	3,880 00

DODD DWYER,
Secretary.

C. DWYER,
JOSEPH FOSTER,
WILLIAM FRASER,
H. McKENZIE,
JOHN R. DAVIS,
Pilot Commissioners, Port of Pictou, N. S.

APPENDIX No. 14.

REPORT OF THE PILOTAGE AUTHORITY OF SYDNEY, N.S., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

NORTH SYDNEY, N.S.,
FEBRUARY, 14, 1903.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa, Canada.

DEAR SIR,—I beg to wait on you with returns in connection with the Pilotage
Authority, district of Sydney, for the year ended December 31, 1902, showing :—

Balance due per account.....	\$ 545 17
Amount on interest.....	2,500 00
	<hr/>
	\$ 3,045 17

Which I trust will be found correct.

Your obedient servant,

DANIEL McLEAN,
Secretary.

NORTH SYDNEY.

	Number.	Tonnage.
British steamers.....	185	140,296
Foreign ".....	56	60,313
British sailing vessels.....	41	9,734
Foreign ".....	17	11,269
Relief fund.....	14	2,460
	<hr/>	<hr/>
	313	224,072

PILOTAGE RECEIVED.

From British vessels.....	\$ 4,135 50
" foreign ".....	2,118 50
Relief fund.....	47 00
	<hr/>
	\$ 6,301 00

INTERNATIONAL PIER.

	Number.	Tonnage.
British steamers.....	151	273,056
Foreign ".....	195	357,560
British sailing vessels.....	5	696
Foreign ".....	.....	.....
Relief fund.....	6	15,563
	357	646,875

PILOTAGE RECEIVED.

From British vessels.....	\$ 7,666 00
" foreign ".....	10,340 50
" relief fund.....	54 00
	\$ 18,060 50

SYDNEY.

	Number.	Tonnage.
British steamers.....	63	128,699
Foreign ".....	183	196,703
British sailing vessels.....	12	22,819
Foreign ".....	5	10,981
Relief fund.....	3	379
	269	339,581

PILOTAGE RECEIVED.

From British vessels.....	\$ 3,833 50
" foreign ".....	6,510 50
" relief fund.....	10 50
	\$ 10,354 50
LESS rebate as per June sheet, Sydney.....	39 00
	\$ 10,315 50

RECAPITULATION.

Port.	Number of Vessels.	Tonnage.	Amount.
			\$ cts.
North Sydney.....	313	224,072	6,301 00
International.....	357	646,875	18,060 50
Sydney.....	269	339,581	10,354 50
	939	1,210,528	34,716 00
LESS rebate as per June sheet, Sydney.....			39 00
			34,677 00

DR.

CR.

[illegible]

STATEMENT of Relief.

Date.	Name.	Amount.
1902.		\$ cts.
Feb. 14.....	Widow Madore.....	20 00
April 4.....	Maurice Doyle.....	20 00
" 17. . .	Widow Madore.....	20 00
June 12....	Catherine McGillvary.....	15 00
" 16.....	Isabell McGillvary.....	15 00
July 14.....	Mary Petrie.....	15 00
" 14.....	Family Doyle.....	10 00
" 30.....	Mary Petrie.....	15 00
" 30.....	Mrs. James Petrie.....	15 00
Sept. 3.....	Mrs. J. B. Brown.....	15 00
" 26.....	Isabell McGillvary.....	15 00
Oct. 14.....	Mrs. J. H. Brown.....	15 00
" 14.....	Maurice Doyle.....	30 90
Nov. 24. . .	Margaret Petrie.....	30 00
Dec. 23. . .	Catherine McGillvary.....	15 00
" 23.....	Mrs. McInnis.....	30 00
	Mrs. Carroll.....	30 00
	Widow Daley.....	30 00
	Pilot Angus McNeil.....	50 00
	" George Townsend.....	50 00
	" William Ratchford.....	50 00
		\$505 00

MASTERS LICENSED.

No.	Name.	Vessel.	Class.	Amount.
				\$ cts.
1	J. Reid.....	Cape Breton..	Steamer...	100 00
2	D. C. Fraser.....	Bonavista	" ..	100 00
3	W. H. Gould.....	Louisburg	" ..	100 00
4	H. Holmes.....	Goban.. ..	" ..	100 00
5	M. Flirian.....	Grandee ...	Barge	100 00
6	A. Acker.....	Rembrandt. ..	" ..	100 00
7	D. A. Scott.....	Harlaw.	Steamer...	100 00
8	A. Meikle.....	Wobun.....	" ..	100 00
9	D. McDonald.	Cacouna.....	" ..	100 00
	Goban omitted last year.....			100 00
				1,000 00

EARNINGS of Pilots and Apprentices for Year Ended Dec. 1902.

No.	Name.	Amount paid.	No.	Name.	Amount paid.
		\$ cts.			\$ cts.
1	Cann, John.....	1,026 16	26	Langille, William.....	1,026 16
2	Mullins, John.....	1,026 16	27	Rudderham, Thomas.	1,026 16
3	Ratchford, Andrew.....	1,026 16	28	McGilvray, Vincent.....	1,026 16
4	Fraser, John.....	1,026 16	29	Curran, Michael.....	1,026 16
5	McGilvray, Jas. D.....	1,026 16			
6	Carroll, John.....	1,026 16		APPRENTICES.	
7	Brown, George B.....	1,026 16	1	Carroll, Louis.....	513 10
8	Connell, Laurence.....	1,026 16	2	Ratchford, Herbert.....	513 10
9	Carroll, James.....	1,026 16	3	Mahon, John....	513 10
10	Petrie, Daniel.....	1,026 16	4	Petrie, Edmond	513 10
11	McNeil, John	1,026 16	5	Spencer George.....	513 10
12	Shanahan, James	1,026 16	6	Burke, Thomas.....	513 09
13	Brown, William. ..	1,026 16			
14	Ratchford, Thomas.....	1,026 16			\$ 32,637 23
15	McGilvray, John B	1,026 15		REMARKS.	
16	Ling, Laurence.....	1,026 16		Grand total.....	\$ 34,677 00
17	Fraser, James.....	1,026 16		Relief.....	111 50
18	McNeil, Thomas.....	1,026 16			34,565 50
19	Laffin, John T.....	1,026 19		Five per cent Com..	1,728 00
20	Roberts, Thomas	1,026 16		Total.....	\$ 32,837 23
21	Erown, Joseph	1,026 16			
22	Mullins, Bernard	1,026 16			
23	McInnis, Daniel A.	1,026 16			
24	Cann, Everett D.....	1,026 16			
25	Handrigan, Walter.....	1,026 16			

(Signed) A. GANNON,
Head Collector.

APPENDIX No. 15.

REPORT OF THE PILOTAGE AUTHORITY OF ST MARY'S AND LISCOMB, N.S., FOR THE CALENDAR YEAR
ENDED DECEMBER 31, 1902.

REPORT of Pilotage for the Pilotage District of St. Mary's and Liscomb from December 31, 1901, to December 31, 1902.

EDWARD QUINN, PILOT No. 1, FOR ST. MARY'S.

[illegible]

SESSIONAL PAPER No. 23

HUGH RUDOLPH, PILOT, LISCOMB.

Sept. 1.	Sydney	Barque	Georgoren	Russian	274	Carl England	8 00	9 00	17 00
" 23.	Louisburg	Steamship ..	Briardene	British	1,654	J. Crow	14 66	16 66	31 32
Oct. 16.	Bermuda	Barquentine ..	Wamas	Russia	315	J. J. Moor	9 00	10 00	19 00
Nov. 23.	Louisburg	Steamship ..	Briardene	British	1,654	J. Crow	14 66	16 66	31 32
									98 64

HENRY LANG, PILOT, LISCOMB.

April 22.	Christiania	Barque	Charlotte Padberg	Norway	589	A. Munsen	12 00	14 00	26 00
June 8.	Sherbrooke	"	Mark Twain	"	700	Jeyesen	13 00	15 00	28 00
Oct. 2.	New York	Steamship ..	Dianna	"	703	Salty	9 50	11 50	21 00
									75 00

WM. PRIDE,
Secretary.

2-3 EDWARD VII., A. 1903

APPENDIX No. 16.

REPORT OF THE PILOTAGE AUTHORITY FOR THE COUNTY OF RICHMOND, N.S., FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

ARICHAT, February 2, 1903.

F. GOURDEAU,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—Enclosed please find a list of the names and number of vessels piloted in the port of Arichat by pilot No. 5, John Gayatch.

British barquentine *Culdoon*, 373 tons.

“ “ *M. Turnbolt*, 242 tons.

“ “ *Fanny Brestram*, 263 tons.

Newfoundland schooner, *Percy Brestram*, 175 tons.

British steamer, *Roseline*, 1,633 tons.

There was only one pilot last year, but there will be two for next year out of this port.

Yours truly,

ISIDORE LE BLANC,
Secretary of the Pilotage Commission.

APPENDIX No. 17.

REPORT OF THE PILOTAGE AUTHORITY OF TIDNISH AND NORTHPORT, N.S., FOR THE CALENDAR YEAR ENDED DECEMBER, 31, 1902.

AMHERST SHORE, January 9, 1903.

F. GOURDEAU,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—There are three licensed pilots in this district : Robert McClosky, aged 59 ; Ferguson Brownell, aged 45 ; Warren Allen, aged 47, licensed to pilot in the pilotage district of Tidnish and Northport. The rate of pilotage dues is \$1 per foot, inward and outward. The total amount received for pilotage dues for the year 1902 was \$244, all from foreign ships. The pilots received the dues less 5 per cent for collection.

I am, sir, your obedient servant,

BURPEE ROCKWELL,
Secretary Pilotage Commission, Tidnish and Northport.

APPENDIX No. 18.

REPORT OF THE PILOTAGE AUTHORITY OF PARRSBORO, N.S., FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

Pilotage returns for the district of Parrsboro, N.S., for the year 1901 1902 :—

Amount of pilotage fees collected for the year was as follows, viz :—

6 British vessels paid.....	\$348 50
2 Foreign “ “	86 75
	<hr/>
Licensed Pilots, Port of Parrsboro, N.S.....	\$435 25
	<hr/>

Cr.

Paid pilot Robert Anderson.....	\$345 06
“ James George.....	56 73
Office contingencies.....	15 00
Secretary for salary.....	18 46
	<hr/>
	\$435 25
	<hr/>

LICENSED PILOTS.

Name.	Age.	Remarks.
Robert Anderson.....	49	Licensed for full district.
James George.....	62	“ “ “
George E. Pettis	64	“ “ “
Baxter McLellan.....	44	“ Spencer’s Island N.S., only.
J. Ephraim Morris.....	40	“ Advocate N.S., only.

Pilotage non-compulsory.

The rates are the same as list sent in 1900.

E. GILLESPIE,
Secretary Parrsboro’ Pilotage Authority.

APPENDIX No. 19.

REPORT OF THE PILOTAGE AUTHORITY OF PUGWASH, N.S., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

PUGWASH, N.S., January 1, 1903.

F. GOURDEAU, Esq.
Deputy Minister of Marine and Fisheries.
Ottawa.

SIR,—I beg to forward to you pilotage returns of Pilotage Authority for this port,
for the year ended December 31, 1902.

I am, sir,
Your obedient servant,

ELIAS KING.
Secretary of Pilotage Commissioners.

LICENSED PILOTS.

Name.	Number.	Age.
Neil McIver.....	1	43
Clarence E. Reid.....	2	49
George M. Cooper.....	3	52
George Heather.....	4	58
John Seaman, licensed for one year 1902.....	5	68
Andrew Seaman.....	6	60
Afred Seaman	7	24

8 steamships (foreign) and 1 (British) s. ship entered this port during this season of 1902, also a num-
ber of schooners paying pilotage.

STEAMSHIPS.

Names of steamships.	Tons.	Nationality.	Pilotage Paid.
			\$
Lyng	800	Norwegian.	38 00
Marion.....	1,218	British.	40 00
Headway	1,540	German.	40 00
Russ.....	1,573	Danish.	40 00
John Christie.....	1,050	Norwegian.	40 00
Russ, same as above..	1,573	Danish.	40 00
John Christie, 2nd time.....	1,050	Norwegian.	40 00
Confidenza.....	1,600	Italian.	40 00
Headway, 2nd time.....	1,540	German.	40 00
Total	11,944	.....	358 00

SESSIONAL PAPER No. 23

BARQUES.

Name of barques.	Tons.	Dues.
		\$
Poymland	671	34 00
P. E. Paterson	621	34 00
Sygrad	545	32 00
Total	1,837	100 00
Schooners, pilotage total	\$	50 00
Total amount of pilotage dues for 1902		458 00
Sum total	\$	508 00

Each pilot is paid when his duty is properly done. There is no pilotage fund in this district ; no accident of the slightest kind has happened here this year to any vessel.

ELIAS KING,
Secretary of Commissioners.

APPENDIX No. 20.

REPORT OF THE PILOTAGE AUTHORITY OF ST. JOHN, N.B., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

OFFICE OF PILOTAGE AUTHORITY,
DISTRICT OF ST. JOHN, N.B., January 8, 1903.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—Enclosed herewith please find the annual returns for pilotage for this district
for the year ended December 31, 1902, which I trust you will find in order.

I have the honour to be, sir,
Your obedient servant,

J. U. THOMAS,
Secretary St. John Pilot Commissioners.

STATEMENT of Receipts and Expenditure for year ended December 31, 1902.

INCOME ACCOUNT.		\$	cts.	\$	cts.
Receipts—					
Licenses to 26 pilots at \$5		130	00		
" 7 boats at \$10.....		70	00		
				200	00
25 cents per foot on outward pilotage from port of St. John to date		2,130	36		
25 " " " " Musquash to date.....		10	00		
				2,140	36
				2,340	36
Expenditure—					
Sundries		12	00		
J. & A. McMillan, stationery.....		19	43		
Auditing accounts for 1901 ..		25	00		
Office rent, one year to November 1, 1902 ...		100	00		
Salary, Secretary-Treasurer, one year to date....		1,000	00		
				1,156	43
Amount transferred to Pilot Fund Account.....				1,183	93
				2,340	36

J. U. THOMAS,
Secretary.

STATEMENT of Pilot Fund Account for the year ended December 31, 1902.

J. U. THOMAS,
Secretary.

J. U. THOMAS,
Secretary.

Pilots' individual earnings for the year 1902.

	\$	cts.	\$	cts.
Total amount of pilotage received.....	34,865	99		
LESS—25 cents per foot from outward pilotage for office expenses, Pilot Fund, &c.....	2,130	36		
			32,735	63
Contra.				
Bennett, James.....	1,558	85		
Cline, Richard.....	1,101	95		
Cline, Richard B.....	987	43		
Cline, Alfred.....	323	25		
Conlin, Patrick.....	24	00		
Doyle, James.....	2,570	27		
Doherty, Joseph.....	2,574	57		
Daley, Charles.....	671	31		
Lahey, William.....	1,369	40		
Lahey, Frank L.....	1,869	95		
Mantle, James E.....	674	25		
Miller, James E.....	1,588	05		
Murray, William..	1,353	80		
Quinn, William.....	1,672	85		
Rogers, Bart.....	926	75		
Reed, James.....	446	75		
Spears, Henry.....	2,069	11		
Spears, Martin..	1,240	45		
Spears, James S.....	525	55		
Scott, William.....	925	90		
Scott, Richard.....	309	50		
Stone, Thomas J.....	1,655	57		
Sherrard, John L. C.....	897	63		
Thomas, John S.....	1,929	07		
Thomas, Robert.....	1,058	80		
Traynor, Thomas.....	2,410	62		
			32,735	63

RETURN of Vessels arriving at Port of St. John, N.B. (subject to Pilotage) for the year ending December 31, 1902.

	British.	Foreign.	Total.
Schooners.....	133	164	297
Brigs and brigantines.....	1	1	2
Barques and barquentines.....	18	20	38
Ships.....	2	4	6
Steamers.....	217	38	255
	371	227	598
Amount of pilotage received.....	26,918 99	7,947 00	34,865 99

SESSIONAL PAPER No. 23

LICENSED Pilots, Port of St. John, N.B., for the year 1901-1902.

Name.	Age.	Residence.	Remarks.
Bennett, James.....	45	St. John, N.B.....	
Cline, Richard.....	77	"	
Cline, Richard B.....	32	"	
Cline, Alfred.....	45	"	
Conlin, Patrick	52	"	
Doyle, James.....	65	"	
Doherty, Joseph.....	56	"	
Daley, Charles.....	66	"	
Lahey, William.....	73	"	
Lahey, Frank L.....	31	"	
Mantle, James E.....	56	"	
Murray, William.....	28	"	
Miller, James H.....	25	"	
Quinn, William.....	55	"	
Rogers, Bart	45	"	
Reed, James.....	56	"	
Spears, Henry.....	51	"	
Spears, Martin.....	45	"	
Spears, James S.....	57	"	
Scott, William.....	46	"	
Scott, Richard.....	51	"	
Stone, Thomas J.....	49	"	
Sherrard, John L. C.....	68	"	
Thomas, John S.....	54	"	
Thomas, Robert.....	61	"	
Traynor, Thomas.....	49	"	
McAnulty, John.....	64	Musquash, N.B.....	Licensed for Musquash only.

J. U. THOMAS,
Secretary.

APPENDIX No. 21.

REPORT OF THE PILOTAGE AUTHORITY OF BATHURST, N.B., FOR THE CALENDAR YEAR ENDED,
DECEMBER 31, 1902.

Pilots'age returns for the Pilotage District of Bathurst, N.B., Season 1902.

Pilots.	BRITISH VESSELS.				FOREIGN VESSELS.				Grand Total.	Disbursements.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Fred Ronalds.....	7	185 04	7	103 60	12	214 66	12	184 00	398 66	Fred Ronalds.....	687 30	153 29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Pilotage rates—
Inside bar, inwards, \$1.00, outwards, \$1.20.
Outside bar, “ 80c, outwards, \$1.00.
Steamers 1c. per ton inwards and outwards extra.
Received from pilots for licenses, \$3.
Paid boat inspectors, \$3.

Commissioners—
JOHN E. O'BRIEN, Chairman.
P. J. BURNS,
SAMUEL MELANCON,
THOS. LEAHY,
FRANCIS CURRAN.

J. H. STEWART,
Secretary.

SESSIONAL PAPER No. 23

APPENDIX No 22.

REPORT OF THE PILOTAGE AUTHORITY OF BUCTOUCHE, N.B., FOR
THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

BUCTOUCHE, N.B., January 14, 1903.

F. GOURDEAU, Esq.
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I herewith transmit report of Buctouche Pilotage Authority for the year 1902.
Foreign shipping from this port has declined to one or two vessels annually for several years past.

Your obedient servant,

JOHN C. ROSS,
Secretary of Buctouche Pilotage Authority.

PILOTAGE returns, district of Buctouche, province of New Brunswick, for the year 1901. Act 36 Vic., cap. 56, sec. 24.

1st. Names and ages of pilots licensed :—Joseph Crossman, age 50 years ; Joseph Bellisle, age 46 years.

2nd. The above pilots are licensed to undertake the pilotage of vessels of every description within and throughout the pilotage district of Buctouche.

3rd. Pilotage dues are charged as per section 12 of rules and regulations for the district, viz: One dollar and fifty cents per foot draught of water, both inward and outwards bound.

4th. Total amount of pilotage dues paid, \$80.50. Of this amount \$74 was paid by one foreign vessel (Norwegiau), making two voyages during season, and the only one liable to pilotage under the regulations, while \$6.50 was paid by schooners (British), by which employment of pilot was optional.

5th. The pilotage dues as above were paid to the pilots who performed their duties as such to the respective vessels.

6th. No new pilotage licenses were issued nor licenses exacted for boats during the year, nor were any expenses incurred by the pilotage authority.

JOHN C. ROSS,
Secretary of Buctouche Pilotage Authority.

BUCTOUCHE, N.B., January 14, 1903.

APPENDIX No. 23.

REPORT OF THE PILOTAGE AUTHORITY OF KENT COUNTY, N.B., FOR
THE YEAR ENDED DECEMBER 31, 1902.

REXTON, KENT COUNTY, N.B., December 15, 1902.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

Annual report of Pilot Commissioners of the port of Richibucto, N.B., viz.—The commissioners and pilots of the port of Richibucto, N.B., held their annual meeting in the office of W. J. Brait, Esq., Rexton, Kent Co., March 29, 1902. The following pilots were granted licenses for the season of 1902, William Irving, James W. Long, Albert Long and John A. Curwen. No casualties reported.

The bar being in same position as last season with four inches less water, say 9 feet 8 inches at L.W.B.S., 15 vessels of 6,458 tons register have loaded and sailed foreign from this port this season, and 210 schooners coastwise of 15,500 tons register. The channel near the end of the breakwater has been worse this season than previous years, vessels could not load deeper than 13 feet at extra spring tides, and several vessels were detained for water to cross the bar. The last vessel of the season loading for England Norwegian bark *Zemach* had to sail one third short of cargo, having been detained till December getting over the bar. Two hundred and ten schooners have loaded here this season mostly drawing 13 feet; could only cross over the bar at high water spring tides and smooth sea. Several of these vessels having struck on bar towing out, consequently captains object to loading here, and shippers have to pay extra freight to get vessels to load at this port.

Your humble servant,

JAMES GORDON,
Secretary to Commissioners.

APPENDIX No. 24.

REPORT OF THE PILOTAGE AUTHORITY OF CARAQUET, N.B., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

CARAQUET, December 26, 1902.

The Honourable
The Minister of Marine and Fisheries,
Ottawa.

SIR,—I beg to inclose statements of the pilotage received in the Pilotage District of Caraquet during the year 1902, and of the secretary's account with the Pilot Commissioners for the same year.

I have the honour, to be, sir,
Your obedient servant,

PHILIP RIVE,
Secretary to Pilot Commissioners.

STATEMENT of Pilotage paid during year 1902, in the Pilotage District of Caraquet, N.B.

Name of Vessels.	Nationality.	Rig.	Tonnage.	Date of Arrival.	Name of Pilot Inward.	Date of Sailing.	Name of Pilot Outwards.	Amount of Pilotage.
								\$ cts.
Alliance.....	British..	Schooner....	99	May 6.	Charles Vibert..	May 20.	Charles Vibert	22 00
Resolute.....	"	" ..	63	Sept. 6.	" ..	Oct. 11.	" "	18 00
Alliance.....	"	" ..	99	Oct. 3.	" ..	Nov. 5.	" "	23 00
Herbernica.....	"	Brigantine..	147	" 3.	" ..	" 13.	" "	24 40
Mary Glaasen..	"	" ..	180	" 16.	" ..	" 14.	" "	23 20
								110 60

STATEMENT of Philip Rive, Secretary, in account with Pilot Commissioners.

DR.	1902.
To Cash received of Xavier Poulin, boat license fee.....	\$ 1 00
" " " Charles Vibert, " ..	1 00
" " " Alex. J. Wilson, " ..	1 00
" " " Joseph Cheasson " ..	1 00
" " " Onésime Blanchard, pilot license,	4 00
	\$ 8 00
CR.	
By postage and stationery.....	\$ 1 00
" salary.. ..	7 00
	\$ 8 00

PHILIP RIVE,
Secretary to Pilot Commissioners.

CARAQUET, December 26, 1902.

APPENDIX No. 25.

REPORT OF THE PILOTAGE AUTHORITY OF THE COUNTY OF CHARLOTTE, N.B., FOR THE YEAR ENDED DECEMBER 31, 1902.

St. Andrews, December 31, 1902.

Pilotage returns for the district of the county of Charlotte, province of New Brunswick, for the year 1902 :—

Pilots acting—

Wellington Cline, parish of West Isle, 61 years of age.

Joseph Boyd, parish of Campobello, 67 years of age.

Licenses to pilot boats—

Schooner *Cruso*, 10 tons register ; Joseph Boyd, master.

Licenses to pilots—

Joseph Boyd, parish of Campobello, 67 years of age.

Amounts of pilotage collected by pilots—

British vessels, \$242.60 ; foreign vessels, \$125.40=\$368.

Description of vessels piloted—

British, 6 schooners, 1 barque, tonnage 2,794

Foreign, 4 schooners, tonnage 1,044

Receipts by pilotage authority—

License to 1 pilot boat \$5 00

“ “ 6 00

Charges—

Postage and stationery \$11 00

Commissioner and Secretary, St. Andrews 10 00

—————\$11 00

C. S. O. HATHEWAY,
Commissioner and Acting Secretary.

RATES OF PILOTAGE IN THE DISTRICT.

Longest pilotage distance, inwards and outwards, \$2.25 per ft. draught of water.

Second “ “ 1.60 “ “

Third “ “ 1.50 “ “

From or to Campobello, 20 cts. per foot less than above rates.

Fourth pilotage distance, inwards or outwards, \$1 per foot draught of water.

From November 1 to April, 20 cts. per foot in addition to above rates.

To or from St. Andrew's harbour to ballast ground, vessels 80 tons and under 300 tons \$2.50 each ; vessels 300 tons and upward, \$3 each.

Removing a vessel from one loading place or harbour to any other loading place or harbour inside St. Andrew's Bay : vessels 80 tons up to 200 tons, \$4 ; over 200 tons and up to 300 tons, \$5 ; over 300 tons and up to 400 tons, \$6 ; exceeding 400, \$8 each.

Removing a vessel from any loading place inside St. Andrew's Bay to any harbour or loading place outside St. Andrew's Bay and within the district pilotage, inwards or outwards : vessels 80 tons and under 200 tons, \$6 ; 200 and 300 tons, \$8 ; 300 and under 400 tons, \$10 ; 400 tons and upwards, \$12.

SESSIONAL PAPER No. 23

APPENDIX No. 26.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF MIRAMICHI, N.B., FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

PILOTAGE COMMISSIONERS' OFFICE,
NEWCASTLE, MIRAMICHI, N.B., January 3, 1903.

The Deputy Minister of Marine and Fisheries,
Ottawa, Canada.

SIR,—Inclosed herein you will please find the pilotage returns of the district of Miramichi, N.B., for the year ended December 31, 1902.

I have the honour to be, sir,
Your obedient servant,

R. R. CALL,
Secretary-Treasurer to Pilotage Commissioners.

PILOTAGE returns for the Pilotage District of Miramichi, N.B., for year ended
December 31, 1902.

Class of Vessel.	No.	Total.
Vessels reported inwards—		
British steamers.....	32	
" sailing vessels.....	29	
Foreign steamers.....	18	
" sailing vessels.....	48	127
Vessels reported outwards—		
British steamers.....	32	
" sailing vessels.....	27	
Foreign steamers.....	18	
" sailing vessels.....	48	125
Vessels removed—		
British steamers.....	16	
" sailing vessels.....	1	
Foreign steamers.....	15	
" sailing vessels.....	15	47

J. C. MILLER,
Chairman.

R. R. CALL,
Secretary-Treasurer to Pilotage Commissioners.

2-3 EDWARD VII., A. 1903

PILOTAGE Returns for the Pilotage District of Miramichi, N.B., for the year ended December 31, 1902.

Class of vessel.	Amount.	Total-
	\$ cts.	\$ cts.
Total amount of pilotage inwards—		
British steamers.....	1,884 86	
" sailing vessels.....	542 27	
Foreign steamers.....	1,015 64	
" sailing vessels.....	1,316 36	4,759 13
Total amount of pilotage outwards—		
British steamers.....	2,218 98	
" sailing vessels ..	583 00	
Foreign steamers.....	1,244 12	
" sailing vessels ..	1,807 50	5,853 60
Total amount of removals—		
British steamers.....	147 55	
" sailing vessels.....	6 00	
Foreign steamers.....	148 00	
" sailing vessels.....	116 00	417 55
		\$11,030 28

R. R. CALL,
Secretary-Treasurer to Pilotage Commissioners.

J. C. MILLER,
Chairman.

RATES of Pilotage chargeable at Miramichi, N.B., on all vessels, British and Foreign, for the year ended December, 31, 1902.

When inward bound.....	\$2.25 per foot.
And in addition to the above for all vessels propelled wholly or in part by steam.....	2c. per reg. ton.
When outward bound.....	\$2 per foot.
And in addition to the above for all vessels propelled wholly or in part by steam.....	2c. per reg. ton.
For the removal and mooring of vessels over 300 tons.....	\$4.
And where the distance of removal exceeds four miles, fifty per cent additional on the above rate. Removals within a distance of one mile are not compulsory, but when the pilots are requested by captains to perform the service the charge is.....	\$4.
Steam tug boats towing one or more coal barges with cargo inwards may depart outwards after having paid full pilotage for the tug and barges inwards, without paying any outward pilotage except on the tug.....	

NATIONALITY of Vessels piloted Inwards during the year 1902.

	No.		No.
American.....	5	German.....	2
Austrian	1	Italian.....	6
British.....	61	Norwegian.....	45
Danish.....	1	Spanish.....	1
Dutch....	1	Swedish.....	4
Total vessels piloted.....			127

R. R. CALL,
Secretary-Treasurer to Pilotage Commissioners.

J. C. MILLER,
- Chairman.

SESSIONAL PAPER No. 23

PILOTAGE Returns for the Pilotage District of Miramichi, N.B., for the year ended December 31, 1902.

No.	Name.	Age.	For what service.	Remarks.
2	Louis Jimmo	48	Full license.....	
3	Francis Martin.....	68	"	
7	Maxime Martin.....	56	"	
9	Angus McLean.....	69	"	
10	Alex. Wilson.....	56	"	
11	Robt. J. Walls.....	51	"	
22	Wm. Walls, sr.....	48	"	
26	John McCallum.....	50	"	
27	James Nowlan.....	51	"	
28	Dudley P. Walls.....	56	"	
29	George Sutton.....	51	"	
30	James A. Nowlan.....	47	"	
31	George T. Tait.....	45	"	
32	Joseph Jimmo.....	47	"	
33	James McCallum	58	"	
35	John Martin.....	43	"	
36	Asa Walls.....	43	"	
37	Wm. Walls, jr	45	"	
38	John Nowlan.....	46	"	
39	Patrick Nowlan.....	43	"	
41	Michael J. Jimmo.....	35	"	
42	George M. Nolan.....	46	"	
43	Christopher C. McLean.....	55	"	
44	George Savoy.....	58	"	

List of pilot boats licensed.

No.	Names of boats.	Tonnage.	Captains.	First Licensed.
15	Princess Louise.....	20 85	Asa Walls.....	May, 1879.....
16	Senator Snowball.....	30 95	Jas. A. Nowlan.....	" 1897.....
17	Mabel	22	Geo. Savoy	" 1900

R. R. CALL,
Secretary-Treasurer to Pilotage Commissioners.

J. C. MILLER,
Chairman.

2-3 EDWARD VII., A. 1903

The Miramichi Pilots in account with R. R. Call, Secretary-Treasurer.

1902.	DR.	\$	cts.
June 5..	To paid R. J. Walls, prem. insurance on seine.....	9	00
" 18..	J. B. Snowball & Co., account sch. <i>Senator Snowball</i>	22	46
" 18..	J. B. Snowball & Co., account sch. <i>Princess Louise</i>	14	15
" 18..	George Stothart, " " ".....	9	56
" 18..	Asa Walls, fitting out " ".....	40	00
" 18..	George Stothart, account sch. <i>Senator Snowball</i>	9	28
" 18..	R. J. Walls, new sail for sch. <i>Princess Louise</i>	39	90
" 18..	R. J. Walls, jib for sc. <i>Senator Snowball</i>	2	50
July 18..	H. W. Fleigher on account sch. <i>Senator Snowball</i>	17	15
" 18..	Jas. Nowlan, repairing and painting ".....	60	00
" 18..	George Watt on account sch. ".....	13	87
" 18..	Est. late John Wilson, account sch. <i>Princess Louise</i>	10	93
" 18..	" " " " <i>Senator Snowball</i>	18	13
" 18..	George Watt, account sch. <i>Princess Louise</i>	7	65
" 18..	R. J. Walls to retire note Bank Nova Scotia, sails for sch. <i>Senator Snowball</i>	188	52
Aug. 18..	Millers foundry & Mach Co., hauling out sch. <i>Princess Louise</i>	10	00
" 18..	Jas P. Searle, rent pilots office to April, 1903.....	20	00
Sept. 18..	W. S. Loggie Co., account sch. <i>Princess Louise</i>	52	41
" 18..	Alex. McKinnon " " ".....	1	62
" 18..	J. B. Snowball & Co " " <i>Senator Snowball</i>	9	46
" 18..	R. J. Walls, sundries for pilots office.....	3	68
Oct. 18..	Alex. Martin, pension for 1902.....	75	00
Nov. 18..	W. S. Loggie Co., account sch. <i>Senator Snowball</i>	19	99
" 18..	Edward Burke, " " <i>Princess Louise</i>	6	85
" 18..	A. C. McLean " " ".....	15	08
" 18..	" " " <i>Senator Snowball</i>	9	90
" 18..	J. B. Snowball & Co., " " <i>Princess Louise</i>	4	48
" 18..	W. S. Loggie Co., " ".....	2	64
" 18..	George Stothart " " ".....	2	05
" 26..	Robrt Allen " " " and sch. <i>Senator Snowball</i> ..	2	40
" 26..	Edward Burke " " <i>Senator Snowball</i>	1	90
" 26..	Wm Richards & Co., account sch. ".....	1	70
" 26..	E. Johnson, stationery & pilots office.....	1	43
" 26..	Millers Foundry & Mach. Co., hauling out sch, <i>Senator Snowball</i>	10	50
" 26..	A. & R. Loggie, rent warehouse, 1902.....	10	00
" 26..	R. J. Walls, horse hire, telegrams &c.....	1	75
" 28..	Miramichi Steam Navigation Co., tickets, 1902.....	7	50
" 28..	George Watt, account sch. <i>Princess Louise</i>	6	20
" 28..	Francis Martin, refund account seine.....	0	95
" 28..	Anslow, Bros., account printing.....	4	00
" 28..	R. R. Call, Secretary-Treas., commission on \$11430.28 at 3 per cent.....	342	90
" 28..	" " " postage and stationery.....	3	50
Dec. 2..	Twenty pilots, \$8,548.20 and 4 pilots \$1,791.09.....	10,339	29
1902.	CR.	11,430	28
Dec. 2..	By amount collected pilotage inwards.....	\$ 4,759	13
" 2..	" " outwards.....	5,853	60
" 2..	" for removals.....	417	55
" 2..	earned outside by pilots.....	400	00
		11,430	28

R. R. CALL,
Secretary-Treasurer to Pilotage Commissioners.

J. C. MILLER,
Chairman.

APPENDIX No. 27.

REPORT OF THE PILOTAGE AUTHORITY OF SHEDIAC, N.B., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

SHEDIAC, N.B., January 9, 1902.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I send you inclosed report of Pilotage Commissioners Shediac District, for year ended December, 1902.

Yours very truly, W. A. RUSSELL.

PILOTAGE OFFICE,

SHEDIAC, N.B., January 9, 1903.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,

SIR,—The Pilotage Authority of the Port of Shediac, N.B., beg leave to submit the following report for the year ended December 31, A.D. 1902.

Names of Pilots in District.	Age.	Service.
1. Edward McDonald.....	69	Full district.
2. Docity P. LeBlanc.....	68	"
3. Thomas McGrath.....	54	"
4. Olaf Hendrickson.....	49	"
5. Paul P. LeBlanc.....	56	"

Number of vessels reported liable to pay pilotage :—

	Inwards.	Outwards.
British sailing vessels.....	1	1
Foreign " ".....	12	12
	<hr/> 13	<hr/> 13

Nationality of above vessels reported inwards during A.D. 1902 :

Canadian.....	1
Norwégian.....	12

The total amount received for pilotage services for the year as follows :—

From Canadian vessels.....	\$ 29 25
From foreign vessels.....	571 25
Total	<hr/> \$ 600 50

This amount was all paid in to the above pilots.

The rates of pilotage for the above district are as follows :—

For pilotage inwards and outwards \$1.50 per foot draught of water. Each remove \$4.

Yours respectfully,

W. A. RUSSELL,
Secretary to the Pilotage Commission of Shediac.

Edward McDonald, one of the above pilots, died in December, 1902.

APPENDIX No. 28.

REPORT OF THE PILOTAGE AUTHORITY OF NANAIMO, B.C., FOR
THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

NANAIMO, B.C., January 6, 1903.

To the Deputy Minister of Marine and Fisheries,
Ottawa, Ont.

DEAR SIR,—By direction of the Commissioners, I have the honour to inclose you
a statement of the accounts of the Nanaimo Pilotage Authority for the year ended
December 31, 1902, as required by the Pilotage Act, 1886.

I have the honour to be, sir,
Your obedient servant,

TULLY BOYCE,
Secretary.

PILOTAGE Returns for the year ended December 31, 1902.

LICENSED PILOTS.

Names of Pilots.	Age.
Bendrodt, James Peter.....	42
Christenson, James.....	61
Butler, James Edgar,.....	42
Owen, William David.....	36
Yates, Albert Francis.....	50

RATES OF PILOTAGE.

Half pilotage.....	\$ 1 per foot draught.
Full ".....	2 " "
Gulf ".....	10 per diem.

Special rates for mail steamers and tugs.

SESSIONAL PAPER No. 23

RECEIPTS AND EXPENDITURE from January 1 to December 31, 1902.

	\$ cts-		\$ cts.
To pilotage dues for 12 months as per inclosed statements.....	19,518 00	By salary, secretary and treasurer	600 00
		Rent, janitor, fuel, light, etc..	176 50
		Printing, postage and station- ery.....	54 80
		Office furniture and repairs...	139 00
		Donation to late pilot Sabiston	200 00
		Commission to collectors.....	425 70
		Pilot station expenses.....	1,636 06
		Travelling and personal ex- penses.....	2,400 00
		Net earnings.....	13,887 94
	19,518 00		19,518 00

Approved,
 THOMAS A. CONNELL,
 HARRY B. SHAW,
 R. GIBSON, } *Commissioners.*

J. S. KNARSTON,
Chairman.
 TULLY BOYCE,
Secretary.

FULL PILOTAGE collections from January 1 to December 31, 1902.

	British.	Foreign.	Total.
	\$ cts.	\$ cts.	\$ cts.
January.....	282 00	1,084 00	1,366 00
February.....	186 00	477 00	663 00
March.....	332 00	925 00	1,257 00
April.....	549 00	848 00	1,397 00
May.....	464 00	756 00	1,220 00
June.....	634 00	749 00	1,383 00
July.....	270 00	1,001 00	1,271 00
August ..	270 00	781 00	1,051 00
September.....	89 00	949 00	1,038 00
October..	441 00	903 00	1,344 00
November..	435 00	729 00	1,164 00
December.....	385 00	981 00	1,366 00
	4,337 00	10,183 00	14,520 00

HALF PILOTAGE collections from January 1 to December 31, 1902.

	British.	Foreign.	Total.
	\$ cts.	\$ cts.	\$ cts.
January.....	.....	420 50	420 50
February.....	21 00	317 00	338 00
March.....	22 00	425 50	447 50
April.....	.....	330 50	330 50
May.....	.....	602 50	602 50
June ..	21 00	543 00	564 00
July.....	22 00	284 50	306 50
August.....	.....	451 50	451 50
September.....	.....	380 00	380 00
October.....	32 00	442 00	474 00
November.....	32 00	388 50	420 50
December.....	.....	262 50	262 50
	150 00	4,848 00	4,998 00

APPENDIX No. 29.

REPORT OF THE PILOTAGE AUTHORITY OF YALE AND NEW WESTMINSTER, B.C., FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

VANCOUVER, B.C., January 5, 1903.

The Honourable
The Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to inclose herewith statement of accounts and the affairs of the Yale and New Westminster Pilotage Authority for year just ended, 1902. At a meeting of the Commissionors held to-day the accounts were audited and signed by the chairman, and I was instructed to forward same to you, which I now do, inclosing statement, receipts and disbursements and ledger balance.

I have the honour to be, sir, your obedient servant,

C. GARDINER JOHNSON,
Secretary Yale and New Westminster Pilotage Authority.

No. of License.	Name of Pilot.	Age.	Service in	Remarks.
1 first class.....	William Ettershank.....	60	Licensed to pilot vessels of any size or description within the limits of Yale and New Westminster Pilotage Authority.	Active.
2 " "	George W. Robertson...	52		
3 " "	H. Robson Jones.....	47		
4 second class..	Edward C. Bridgman...	56		
5 " "	Donald Patterson.....	41		

NOTE.—Pilotage dues now in force are same as approved by Order in Council, Saturday, April 28, 1894.

Inwards

47 British steamers inwards.....	\$ 2,485 00
312 Foreign steamers inwards.....	5,475 31
26 British sailers inwards.....	928 25
21 Foreign sailers inwards.....	549 50
	—————\$ 9,438 06

Outwards.

46 British steamers outwards.....	\$ 2,680 75
312 Foreign steamers outwards.....	5,531 34
26 British sailers outwards.....	1,014 75
21 Foreign sailers outwards.....	776 00
	—————\$ 10,002 84
	—————\$ 19,440 90

Remaining in port on December 31, 1902.—*Yola*, \$26 ; *Eudora*, \$25 ; *Sylfid*, \$30 ; *California*, \$26 ; *Moana*, \$52.50 ; *Pengvern*, \$30 ; *Tartar*, \$60 ; *Empress of India*, \$65.

SESSIONAL PAPER No. 23

Receipts.

Balance in bank, January 5, 1902.....\$	933 17	
Pilotage earnings for year 1902..... \$	19,440 90	
	<hr/>	\$ 20,374 07

Disbursements.

Paid pilots, January 5, 1902.....\$	933 17	
Paid pilots during 1902.....	13,845 73	
Office expense account 1902.....	995 20	
Pilotage expense account 1902.....	3,651 10	
Balance in bank.....	948 87	
	<hr/>	\$ 20,374 07

C. GARDINER JOHNSON,
Secretary Yale and New Westminster Pilotage Authority.

Approved,
 RICHARD ALEXANDER,
Chairman.

LEDGER BALANCE.

Assets.

Bank of Montreal.....\$	948 87	
Bank of Montreal—		
Savings department.....\$	562 71	
Interest, 1902.....	16 85	
	<hr/>	\$ 579 56
		<hr/>
		\$ 1,528 43

Liabilities.

Reserve fund.....\$	562 71	
Interest, 1902.....	16 85	
	<hr/>	\$ 579 56
Pilotage earnings undisbursed	948 87	
	<hr/>	\$ 1,528 43

C. GARDINER JOHNSON,
Secretary Yale and New Westminster Pilotage Authority.

Approved,
 RICHARD ALEXANDER,
Chairman.

VANCOUVER, B.C., January 3, 1903.

APPENDIX No. 30.

REPORT OF THE PILOTAGE AUTHORITY OF VICTORIA, B.C., FOR
THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

PILOTAGE AUTHORITY,

VICTORIA, B.C., January 7, 1903.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour, by direction of the Commissioners, to transmit herewith the pilotage returns for the Pilotage District of Victoria and Esquimalt, in the province of British Columbia, for the year ended December 31, 1902, as required by section 22 of chapter 80 of the Revised Statutes of Canada, 1886, and hope the same will reach you safely. You will observe that in lieu of the usual language of certification by the Commissioners, all approve, and one of them, at the request of the whole, has audited the books and accounts and appended his audit certificate to returns.

I have the honour to be, sir, Your most obedient servant.

EDGAR CROW BAKER,
Secretary-Treasurer P.A.

PILOTAGE Returns, Victoria and Esquimalt Pilotage District, B.C.,
January 1 to December 31, 1902.

LIST OF LICENSED PILOTS.

No.	Name.	Age.	Date of Issue.	Seniority.	Remarks.
1	John Thompson.....	53	April 23, 1880...	Dec. 4, 1878....	Originally a B. C. pilot.
2	Samuel W. Bucknam .	52	March 6, 1891...	March 6, 1891...	Victoria and Esquimalt District.
3	John Newby.....	53	April 10, 1891...	April 10, 1891...	" " " "
4	Thos. Bebbington.....	56	Feb. 25, 1893...	Feb. 25, 1893...	Originally a N.W. and Yale pilot.
5	William Cox.....	46	May 13, 1902...	May 13, 1902...	Victoria and Esquimalt District.

N.B.—The foregoing is a list of licensed pilots, who are the only ones who have prosecuted such calling in the above named district.

There are no masters and mates acting under license from this Pilotage Authority, all the certificates previously granted having expired by effluxion of time.

Clauses I., II., III., page 213 supplement to 19th annual report, with reductions on pages 200 and 201 supplement to 21st annual report, and also those on pages 181 and 182 supplement to 26th annual report (*i. e.* Order in Council, July 1, 1893) apply to this year also.

Same Acts and parts of Acts as last year apply to 1902, and list of exempted vessels and Puget Sound rates remain the same.

EDGAR CROW BAKER,
Secretary-Treasurer.

VICTORIA, B.C., December 31, 1902.

Dr

RECEIPTS and EXPENDITURE, January 1 to December 31, 1902.

Cr.

23-91

Date.	Nature of Receipt.	Amount.	Date.	Head of Service.	Amount.
1902. January 1		\$ cts.	1902.		\$ cts.
Jan. 1 to Dec. 31	To Balance from last year	1,134 72	Feb. 6	By V. and E. pilots, division surplus, 1901	1,134 72
"	Pilotage dues, 12 months	16,347 62	Jan. 1 to Dec. 31	V. and E. pilots, earnings as per receipts	14,712 86
"	Examination fee	20 00	"	Board of examiners, fees for examination	20 00
"	Certificate fees, Puget Sound steamers	200 00	"	Secretary-treasurer, 12 months' salary	600 00
"	Pilotage outwards, in certain cases to credit of Pilotage Authority	56 63	"	Office expenses, rent, fuel, light &c.	347 88
		17,758 97	Decembre 31	Balance to credit of Pilotage Authority	943 51
					17,758 97

Approved.

JOHN G. COX,
A. B. FRASER, TREAS.,
J. KINGHAM,
WILLIAM GRANT.

Commissioners.

EDGAR CROW BAKER,
Secretary.

Audited and certified correct.

A. B. FRASER, Treasurer,

VICTORIA, B.C., January 6, 1903.

PILOTAGE DUES collected, January 1 to December 31, 1902.

Month.	British.	Foreign.	Total.	Remarks:
	\$ cts.	\$ cts.	\$ cts.	
January.....	396 00	942 75	1,338 75	N.B.—The total \$16,347·62 does not include sums of \$200 collected from Puget Sound Steamers and \$56.63 pilotage outwards in certain cases to credit of Pilotage Authority.
February.....	348 50	816 00	1,164 50	
March.....	387 50	723 75	1,111 25	
April	344 50	855 75	1,200 25	
May	446 50	1,143 12	1,589 62	
June	560 25	875 50	1,435 75	
July.....	385 00	1,093 75	1,478 75	
August.	400 00	1,016 00	1,416 00	
September.....	611 75	899 50	1,511 25	
October.....	498 75	860 50	1,359 25	
November.....	376 25	998 25	1,374 50	
December ...	436 75	931 00	1,367 75	
	5,191 75	11,155 87	16,347 62	

EDGAR CROW BAKER,
Secretary.

VICTORIA, B.C., December 31, 1902.

SESSIONAL PAPER No. 23

APPENDIX No. 31.

REPORT OF THE PORT WARDEN OF MONTREAL FOR THE CALENDAR
YEAR ENDED DECEMBER 31, 1902.

MONTREAL, January 8, 1903.

To the Honourable
The Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour by direction of the Council of this Board, and in compliance with section 31 of the Act governing the Port Warden's Office, 45 Vic., chap. 45, to transmit herewith documents as follows :—

1. Port Warden's annual report for the year 1902.
2. Audited statement of receipts and expenditure for the year ended December 31, 1902.
3. Statement of investments of Port Warden surplus funds.

I have the honour to be, sir,
Your obedient servant,

GEORGE HADRILL,
Secretary.

MONTREAL, December 31, 1902.

To the President and Council
of the Montreal Board of Trade.

GENTLEMEN,—I have the honour to submit the annual report of the business of this office, with statements of exports, receipts and expenditure for the year 1902.

The river was open for navigation unusually early this year, the Longueuil boat commencing to make her regular trips on April 5.

The first vessel to report at this office was the trading schooner *White Cloud*, Captain Mabe, which arrived on April 10.

The first steamer arriving here to load was the ss. *Polino* for the lower ports, she arrived on April 12.

The first ocean steamship to arrive was the ss. *Fremona* at 1 p.m., April 17, from the Mediterranean ports with a cargo of fruit.

The first oversea sailing vessel to arrive was the barkentine *Mary Hendry* which arrived on May 12 from Barbados with a cargo of molasses.

The ss. *Kildona* was the first steamship to enter the St. Lawrence by the Straits of Belle Isle, on June 25, she experienced fine weather, and very little ice; reports favourably of the sound signal on Belle Isle. We have had telegraphic reports of vessels passing the island from time to time during the season; improvements are being made on the island; another lighthouse is being erected at the north-east end, and should cause this route to be looked upon more favourably, the straits being well marked and lighted at both ends.

The shipping business for this season came to a close by the departure hence of the ss. *Monterey* for Bristol at 10 a.m., November 28, and the ss. *Louisburg* at 1.45 p.m., same day for Sydney, C. B., light.

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Navigation finally closed by the ss. *Toledo* (new) from the upper lakes, passing through the harbour for sea on the morning of December 4.

Four hundred and five oversea or foreign going vessels of all kinds, were entered at this office, with a tonnage of 1,054,248 tons, an increase of 9 vessels and 66,230 tons, compared with the year 1901.

The business to the lower ports this year consisted of : entered 315 vessels, with a tonnage of 455,273 tons, an increase of 26 vessels and 42,824 tons.

Clearances of vessels loaded for the lower ports were as follows : 102 vessels of all classes with a tonnage of 70,141 tons, as against 90 vessels of all classes last year with a tonnage of 67,253 tons, an increase of 12 vessels and 2,888 tons, this season.

There is a large increase in the number of vessels going hence to complete their loading, but this does not arise from any scarcity of water in the ship channel. The depth of water in the ship channel has kept well up this season, the lowest water recorded was 27 feet at Sorel in October, and that only for a short time.

Vessels part loaded at Montreal, completed loading at Quebec and elsewhere.

1901—89 vessels, 1902—134 vessels ; vessels sailing hence light had to load elsewhere.

1901—20 vessels, 1902—31 vessels. We have had a number of disasters in the St. Lawrence this year, but nothing of a serious nature between this port and Quebec. I would again urge upon you the necessity for a dry dock at this port, which has been very strongly emphasized this season. Some of the vessels that met with disaster in the river bringing their cargoes to this port, after discharging, had to go to other ports for repairs (returning to this port to load) thus diverting a large amount of profitable employment from this port.

The absence of a dry dock and the necessary facilities for repairing damaged vessels at this port must injuriously affect the interest of the St. Lawrence trade with underwriters when considering the acceptance of a risk, or naming a rate of premium on hull or cargo.

There have been two notable departures in the trade of the port this season, which I trust will be permanent and progressive, namely the opening of direct trade with Australia by the sailing of the barque *Weathersfield* with a cargo of lumber, and direct steam communication with South Africa which was inaugurated by the sailing of the Allan line ss. *Ontarian* with a general cargo on October 19.

The shipments of various kinds for the past season manifested and reported at this office are as per attached statements.

All of which is respectfully submitted,

ARCHIBALD REID,
Port Warden.

SESSIONAL PAPER No. 23

COMPARATIVE STATEMENT of Shipments 1901 and 1902 as per Manifests reported at Port Warden's Office.

Description.		1901.	1902.	1902.	
				Increase.	Decrease.
Wheat.....	Bush.	13,588,098	17,119,006	3,530,908	.....
Buckwheat.....	"	89,883	126,360	36,477	.....
Peas.....	"	740,749	409,456	.....	331,293
Barley.....	"	656,962	246,336	.....	410,626
Rye.....	"	768,697	860,925	92,228	.....
Oats.....	"	2,459,234	1,782,785	.....	676,449
Corn.....	"	4,078,215	237,329	.....	3,840,886
Flax seed.....	"	669,871	313,671	.....	356,200
Total.....		23,051,709	21,095,868	3,569,613	5,615,454 3,569,613
Total decrease for the year 1902.....				.....	2,045,841
Flour and meal.....	Brls.	633,331	761,495	128,164	.....
Ashes.....	"	1,131	863	.....	268
Apples.....	"	121,186	467,303	346,117	.....
Cheese.....	Boxes	1,793,893	2,010,006	216,113	.....
Butter.....	Pckgs	407,606	532,320	124,714	.....
Eggs.....	"	204,094	158,308	.....	45,786
Box meats.....	"	162,567	133,316	.....	29,251
Lard.....	"	253,018	213,070	.....	39,948
Dead meats.....	Qrrs.	1,174	211	.....	963
Pulp.....	Tons	12,249	12,609	360	.....
Paper.....	"	7,137	6,361	.....	776
Sundries.....	"	34,667	32,183	.....	2,484
Hay.....	"	25,343	45,624	20,281	.....
Oil cake.....	"	12,127	14,396	2,269	.....
Minerals.....	"	9,837	4,299	5,538	.....
Dried grains.....	"	471	57	.....	414
Lumber.....	Ft. B. M.	220,663,712	235,984,496	15,320,784	.....
Cattle.....	Head	71,488	77,141	5,653	.....
Horses.....	"	1,244	529	715
Sheep.....	"	48,073	45,786	2,287
Horses to South Africa..	"	5,218	5,218

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STATEMENT of Oversea or Foreign-going Vessels.

Description.	1901.		1902.	
	No.	Tons.	No.	Tons.
Steamers.....	388	983,649	392	1,048,385
Barques.....	4	2,240	9	4,427
Brigs and schooners.....	4	2,129	4	1,436
Totals.....	396	988,018	405	1,054,248

Increase of 9 vessels and 66,230 tons.

STATEMENT of Lower Port Arrivals.

Steamers.....	278	410,944	306	454,183
Brigs and schooners.....	11	1,505	9	1,090
Totals.....	289	412,449	315	455,273

Increase of 26 vessels and 42,824 tons.

CLEARANCES for Lower Ports.

Steamers.....	82	66,272	95	69,369
Brigs and schooners.....	8	981	7	772
Totals.....	90	67,253	102	70,141

Increase of 12 vessels and 2,888 tons.

Revenue, 1901.....	\$ 9,272 03
" 1902.....	11,001 82
Increase.....	\$ 1,729 79

2-3 EDWARD VII., A. 1903

STATEMENT of the Investments of the Surplus Funds of the Port Warden's Office at Montreal, and of interest accruing therefrom during the year ended December 31, 1902.

Date.		Amount.	Per cent for 12 mos.	Interest.
		\$		\$ cts.
Feb. 16, '80.	Expended \$2,380.34 in purchase of Dominion Government stock.....	2,300	3½	80 50
Aug. 16, '80.	Expended \$7,254.11 in purchase of city of Montreal registered stock.....	7,000	5	350 00
April 18, '84.	Expended \$5,031.34 in purchase of city of Montreal four per cent registered stock (Nos. 1720, 1721, 1722, 1723, 1724=5 at \$1,000.....	5,000	4	200 00
Mar. 14, '87.	Expended \$10,320.75 in purchase of city of Montreal consolidated fund stock.....	10,000	4	400 00
	Loans to Montreal Board of Trade building fund to date	50,000	4	2,000 00
	Total.....	74,300		3,030 50

ROBERT MUNRO,
Treasurer, Montreal Board of Trade.

GEORGE HADRILL,
Secretary, Montreal Board of Trade.

MONTREAL, January 7, 1903.

APPENDIX No. 32.

REPORT OF THE PORT WARDEN OF QUEBEC, FOR THE CALENDAR YEAR ENDED DECEMBER 30, 1902.

PORT WARDEN'S OFFICE,
QUEBEC, December 11, 1902.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—As usual at the end of the year, I send you a return of the business transacted in the Port Warden's office during the season just closed.

It shows the receipts and disbursements to have been as follows, viz. :—

Receipts from all sources.....	\$1,597 00
Disbursements	553 00
	<hr/>
Balance net receipts	\$1,044 00

I also inclose a report of cattle and sheep shipped at Quebec during the season, on which no fees were charged, as instructed by your letter of June 15, 1901.

Thirteen steamers took 3,661 cattle, and 4 took 3,407 sheep.

The fees on which, if collected, would have amounted to the sum of \$71.97, if charged for as in former years.

I am, sir, with much esteem,
Your obedient servant,

W. SIMONS,
Port Warden.

PORT WARDEN'S OFFICE,
QUEBEC, December 31, 1902.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—As requested by the 30th section of the Port Warden's rules, I beg respectfully to submit the following annual statement of the business transacted in this office during the year ending December 31, 1902, as follows :—

Eighty-nine steamers were surveyed for clearance outwards after taking part cargo on board at this port, having previously shipped part cargo of grain and other goods at Montreal.

Sixteen steamers were surveyed for clearance outwards after having shipped full cargoes of grain and other goods at this port.

Twenty-two steamers and eleven sailing vessels were surveyed, their hatches opened and cargo examined on their arrival from sea.

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Seven steamers and one sailing vessel were surveyed on account of grounding and stranding in the River St. Lawrence below and above Quebec.

One steamer and six sailing vessels were surveyed on account of collision damage.

Three steamers and two cargoes were surveyed and their value estimated for general average purpose.

Eighteen surveys were held on damaged goods in store and over on wharfs.

The receipts and disbursements of this office were as follows :—

Receipts from all sources	\$ 1,597 00
Expenses	553 00
	<hr/>
Balance, net receipts	\$ 1,044 00

Besides the above there were several vessels damaged by stranding and otherwise that did not come under the Port Warden's rules.

Thirteen steamers took live stock at Quebec during the season, amounting in all to 3,661 cattle and 3,407 sheep, on which, if fees had been collected as in former years, would have amounted to \$71.97, as shown by accompanying statement.

With much respect,

I am your obedient servant,

W. SIMONS,
Port Warden.

APPENDIX No. 33.

REPORT OF THE PORT WARDEN AT RIMOUSKI, P.Q., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

RIMOUSKI, December 31, 1902.

Honourable Mr. PREFONTAINE,
Minister of Marine and Fisheries.

HONOURABLE SIR,—I have the honour to submit my report as Port Warden of Rimouski.

At the request of Captain Martel, of the schooner *Fred Jackson*, which went ashore on the banks of Portneuf (north side) on October 2 last, I examined the said wrecked vessel, assisted by two captains. We found that the vessel was not too badly damaged. I went on board her two days afterwards and I came to the conclusion that the vessel had to be condemned as she was filling up with water at each tide. I consequently recommended that the vessel be sold for the benefit of the parties interested.

I also collected \$8 for my services and \$5 for the services of the two captains as assistants. The whole respectfully submitted.

I have, &c.,

CAPT. ELZÉAR HEPPEL,
Port Warden, Rimouski.

APPENDIX No. 34.

REPORT OF THE PORT WARDEN AT ANNAPOLIS, N.S., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

ANNAPOLIS, N.S., December 31, 1902.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to submit my report for the year ended December 31, 1902. I have not been requested to hold survey on any vessels this year.

I have the honour to be, sir,
Your obedient servant,

SIMON W. RILEY,
Port Warden.

APPENDIX No. 35.

REPORT OF THE PORT WARDEN AT HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

PORT WARDEN'S OFFICE,
HALIFAX, N.S., December 31, 1902.

F. GOURDEAU, Esq.,
Deputy Minister Marine and Fisheries,
Ottawa.

SIR,—I have the honour to submit my report for the year ended December 31, 1902, accompanied by a statement of the receipts and expenditure during that period.

Surveys have been held on ten steamers and three sailing vessels which arrived at this port in a damaged condition during the year. The necessary repairs were made to the vessels and those of them bound to other ports with their cargoes proceeded to their destinations, where they have all arrived safely.

The schooner *Abbie Verna* of St. John, N.B., put into this port for a harbour on December 3, while on a voyage from Sheet Harbour, N.S., bound to New Bedford, Mass., with a cargo of laths. When ready for sea the crew refused to proceed in her. The master had the crew brought up before George H. Fielding, Esquire, Stipendiary Magistrate, for refusing duty, when they gave as an excuse that the vessel was overloaded and unseaworthy. At the request of the Stipendiary Magistrate a survey was held on the vessel when she was found to be overloaded and the pump insufficient. Half the deck load was discharged and a new iron pump put in the vessel. Just as the vessel was ready for sea, a telegram was received from the owners to pay off the crew and lay the vessel up for the winter. The crew were paid off and the vessel laid up in accordance with the owners' instructions.

I have the honour to be, sir,
Your most obedient servant,

DAVID HUNTER,
Port Warden.

RECEIPTS and Expenditure of the Port Warden, Halifax, N.S., from January 1 to December 31, 1902.

DR.	\$ cts.	CR.	\$ cts.
To amount of fees received.....	1,746 50	By Paid assistants, office expenses, &c.	1,224 93
		Amount reverting to Port Warden	521 57
	1,746 50		1,746 50

I hereby certify that the above is a true and correct statement of the receipts and expenditure of the Port Warden at Halifax, N.S., during the year 1902.

DAVID HUNTER,
Port Warden.

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APPENDIX No. 36.

REPORT OF THE PORT WARDEN AT PORT HAWKESBURY, N.S., FOR
THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

PORT WARDEN'S OFFICE,

PORT HAWKESBURY, December 31, 1902.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to submit to you the doings of this office during the year now closing.

And also the amount of fees collected by me during the present year.

There was one survey held on the schooner *Arthur* of Sydney of the burthen of 99 tons.

And also one survey on schooner *Samuel C. Hart*, of Boston, from Louisburg, C.B.

These were the only vessels repaired under survey at this port during the present year.

I have the honour to be, sir,
Your most obedient servant,

D. W. HENESEY,
Port Warden.

	\$	cts.		\$	cts.
1 survey on schooner <i>Arthur</i>	15	00	Paid assistants :—		
			Wm. Duff, carpenter.....	5	00
			J. J. Henesey.....	5	00
			Wm. Duff, carpenter.....	5	00
1 survey on schooner <i>Samuel C. Hart</i>	15	00	J. J. Henesey, master mariner.....	5	00
			Total.	20	00
Total.....	30	00	Amount reverting to Port Warden....	10	00

I do hereby certify that the above is a true statement of surveys held and fees paid.

D. W. HENESEY,
Port Warden.

PORT HAWKESBURY, December 31, 1902.

APPENDIX No. 37.

REPORT OF THE PORT WARDEN AT PICTOU, N.S., FOR THE CALENDAR
YEAR ENDED DECEMBER 31, 1902.

Pictou, N.S., January 5, 1903.

Port Warden's report at the Port of Pictou, N.S., for the year 1902, A.D. :—

Survey on reports of schooners, &c.,	
Schooner <i>Monitor</i>	\$ 34 00
“ <i>Malabar</i>	26 00
“ <i>Josie</i>	2 50
SS. <i>Jacques Cartier</i>	14 25
Total	<u>\$ 76 75</u>

Expenses for the year, &c.	
Capt. J. Fraser	\$ 10 00
Duncan Johnson	10 00
James Kitchen	5 00
Sundries	6 30
Total	<u>\$ 31 30</u>

Total amount of fees received	\$ 76 75
“ expenses	31 30
Amount reverting to Port Warden	<u>\$ 45 45</u>

WILLIAM CUMMING MUNRO,
Port Warden.

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APPENDIX No. 38.

REPORT OF THE PORT WARDEN OF WHITNEY PIER, SYDNEY, C.B.,
FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

SYDNEY, N.S., March 12, 1903,

To the Honourable the
Minister of Marine and Fisheries,
Ottawa, Ont.

DEAR SIR,—Herewith I beg to hand you Port Warden's report for the year ended
December 31, 1902. All of which is respectfully submitted.

I have the honor to remain,
Your obedient servant,

NELSON TOWNSEND,
Port Warden.

PORT WARDEN'S REPORT for Whitney Pier, Sydney, N.S., for 1902.

Date.	Rig.	Name of Vessel.	Name of Master.	Registered Tonnage.	Cargo.	From.	Where Bound	DRAUGHT.		Free Board	Fee.
								Fore.	Aft.		
1902.											
Jan. 10.	S.S.	Priestfield	Curtis	2,612	Iron ore.	Wabana	Rotterdam	23 7	23 10	7 6	8 00
" 16.	"	Bjongvin	Laading	1,785	Pig iron	Sydney	Glasgow	22 5	22 8	2 9	8 00
" 21.	"	Trold	Gulliksen	2,075	"	"	"	21 3	21 8	5 10	8 00
Feb. 22.	"	Priestfield	Curtis	2,612	"	"	" and Rotterdam	23 11	23 10	6 8½	8 00
Mar. 6.	"	Oscar II	Peterson	2,247	"	"	"	19 9	19 7	4 10	8 00
" 17.	"	Trold	Gulliksen	2,075	"	"	New York	16 8	18 2	8 2	8 00
" 20.	"	Regulus	Couch	859	Steel billets.	"	Boston	18 ..	19 ..	3 6	8 00
Apl. 8.	"	Trold	Gulliksen	2,075	Pig iron	"	Glasgow	21 11	22 6	4 11	8 00
" 11.	"	A. R. Thorpe	Askund	647	Steel billets.	"	Baltimore, Md.	13 9½	15 9½	1 7	8 00
" 16.	"	Priestfield	Curtis	2,612	Pig iron	"	Glasgow	23 11	24 5	6 4½	8 00
" 19.	"	Micmac	Fraser	1,599	"	"	Philadelphia	21 2	22 2	4 2	8 00
" 26.	"	Oscar II	Peterson	2,247	"	"	"	19 9½	20 2½	4 4	8 00
May 3.	"	Oscar Fredriksen	Camp	2,727	Coal	"	Copenhagen	20 8	21 2	4 4	8 00
" 8.	"	Indrani	Gillies	2,339	Pig iron	"	Glasgow	23 8	25 6	6 5½	8 00
" 14.	"	Alabama	Gwatkin	1,241	Pig iron and sulphate of ammonia	"	"	22 2	22 5	4 4½	8 00
" 14.	"	Tjomo	Neilsen	899	Steel billets.	"	Philadelphia	16 9	17 3	4 8	8 00
" 16.	"	Siggen	Smedsvig	670	Pig iron and steel billets	"	Baltimore	14 8	15 6	2 20	8 00
" 19.	"	Brantingham	Moore	1,685	Wood	Three Rivers, Que.	Glasgow	19 6	19 11	3 10	8 00
" 19.	"	Forest Holme	Beaton	1,544	"	Pierreville, Que.	London	19 ..	20 9	9 9	8 00
" 21.	"	Aquila	Gundersen	1,497	"	Quebec	"	19 ..	20 ..	5 6	8 00
" 21.	"	Banjar	Brown	2,201	"	Chatham, N.B.	Belfast	20 6	22 3	10 4½	8 00
" 23.	"	Loughrigg Holme	Johnston	1,317	"	Montreal	London	18 7	19 2	9 9½	8 00
" 30.	"	Siggen	Smedsvig	670	Steel billets	Sydney	Baltimore, Md.	14 8	15 6	2 2	8 00
" 31.	"	Throld	Sundby	2,075	Pig iron and steel billets	"	New York	20 2	20 7	6 7	8 00
June 7.	"	Forest Brook	Hunter	1,729	Wood	Montreal	London	18 9	21 4	12 9	8 00
" 10.	"	Skallagrim	Christiansen	1,642	"	"	Sharpness	18 6	21 6	7 11	8 00
" 10.	"	Rosalind	Farrel	1,684	{ Pig iron { General	(Sydney, N.S. { St. Johns, Nfld.)	Jersey City via Hfn.	15 9	18 3	10 7	8 00
" 11.	"	Bengore Head	Phillips	1,619	Wood	Miramichi	Cork	22 4	23 6	9 6	8 00
" 11.	"	Mennon	Thomas	2,046	Pig iron	Sydney	Montreal	21 7	24 6	7 4	8 00
" 13.	"	Skarp	Simonsen	890	Wood	Montreal	Hull	18 6	19 3	3 3	8 00
" 16.	"	Whitefield	Johns	1,560	"	"	Yarmouth via H'pool	19 6	20 ..	3 3	8 00
" 17.	"	Tornba	Cotterell	1,913	Pig iron and steel billets	Sydney	Montreal	14 5	17 12	5 1½	8 00
" 21.	"	Tjomo	Nilsen	899	Steel billets	" N.S.	Newark, N.J.	17 1	17 5	4 6	8 00
" 21.	"	Nordhavet	Olsen	2,159	Wood	St. John, N.B.	Dublin	20 ..	22 ..	5 8	8 00

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25.	"	Avoná.	Lie.	1,864	Wood.	Quebec.	London.	21	5	21	7	11	4	8 00
26.	"	Beatrice.	Randall	2,139	Hard pine.	Ship Island.	"	21	2	22	6	5	4 ¹	8 00
30.	"	Laura.	Crast	2,014	Wood.	St. John, N.B.	Cardiff.	20	2	20	6	4	5	8 00
1.	July	Siggen.	Smedsvig.	670	Steel billets.	Sydney, N.S.	Boston.	14	6	15	9	2	2	8 00
7.	"	Lord Lansdowne.	English.	1,794	Wood.	Avonport, N.S.	Fleetwood.	20	8	22	.	8	1	8 00
7.	"	Tjomo.	Nilsen.	899	Steel billets.	Sydney.	New York.	17	1	17	5	4	6	8 00
8.	"	Roddam.	Fox.	1,507	Hard pine.	Mobile.	Dalfzyl.	20	8	21	2	2	1 ³	8 00
12.	"	Norden.	Schmidt.	1,509	Wood.	St. John, N.B.	Newport.	20	3	20	3	4	1	8 00
16.	"	Dora.	Goulding.	1,105	"	Montreal and Quebec	Bristol.	18	2	18	4	1	6	8 00
14.	"	Zanzibar.	Robinson.	1,919	"	Montreal.	London.	18	6	19	5	4	11 ¹	8 00
17.	"	Siggen.	Smedsvig.	670	Steel billets.	Sydney, N.S.	Baltimore.	14	9	15	9	2	.	8 00
21.	"	Cluden.	Frattles.	2,036	Pitch pine.	Ship Island.	Antwerp.	20	10	22	2	10	1	8 00
22.	"	Loughrigg Holme.	Johnstone.	1,317	Wood.	Montreal.	Cardiff.	18	6	19	6	9	1	8 00
24.	"	Mokta.	Kirton	1,549	"	Rivière du Loup.	Cork.	19	6	21	8	8	8	8 00
24.	"	Bangor	Brown	2,201	"	Miramichi.	Belfast.	21	9	21	9	10	8	8 00
28.	"	Tjomo.	Nilsen.	899	Steel billets.	Sydney, N.S.	Baltimore	17	3	17	7	4	4	8 00
30.	"	Regulus	Couch.	858	Pig iron.	"	New York.	19	2	20	2	3	6	8 00
5.	Aug.	Nordcap.	Rasmussen.	2,294	Wood.	Quebec.	London.	22	6	24	.	6	5	8 00
5.	"	Siggen.	Smedsvig.	630	Steel billets.	Sydney.	Boston.	14	6	15	6	2	2	8 00
8.	"	Ganton	Leisk.	1,941	Hard pine.	Sapels, Ga.	Greenock.	21	5	21	9	2	6	8 00
19.	"	Tjomo.	Nilsen.	899	Steel billets.	Sydney.	Boston.	17	3	17	7	4	4	8 00
25.	"	Siggen.	Smedsvig.	670	"	"	Baltimore	14	8	15	6	2	.	8 00
26.	"	Capenor.	Rodham.	1,651	Hard pine.	Pensacola	Antwerp.	21	1	21	8	2	8	8 00
27.	"	Forest Brook	Hunter.	1,729	Wood.	Quebec.	London.	18	8	22	.	12	5	8 00
30.	"	Skallagrim	Christiansen.	1,642	"	St. John.	Queenstown.	21	6	22	.	5	10	8 00
4.	ept.	Tjomo.	Nilsen.	899	Steel billets.	Sydney.	Baltimore.	17	.	17	5	4	6	8 00
6.	"	Nether Holme.	Gorley	1,285	Wood.	Three Rivers	London.	17	.	19	8	3	5	8 00
8.	"	Pyona.	Crossley	1,854	"	Chatham.	Cardiff.	20	4	21	5	5	.	8 00
13.	"	Memnon.	Thomas	2,046	General and steel billets	Sydney.	Montreal.	19	1	22	2	9	9	8 00
16.	"	Bangor.	Brown.	2,201	Wood.	Chatham.	Mobile.	21	8	22	2	9	9	8 00
16.	"	Lord Iveagh.	Minister.	2,137	Grain and cotton.	Galveston	Havre.	20	7	20	11	7	6 ¹	8 00
20.	"	John Christie.	Jospersen.	972	Wood.	Pugwash.	Manchester.	18	3	18	10	2	4	8 00
22.	"	Kalfond.	Gitlesen.	792	"	Three Rivers.	Cork.	14	6	16	10	1	8	8 00
23.	"	Gaditano	Gaicaechea.	1,569	Staves.	New Orleans.	Bordeaux.	22	2	23	4	7	4	8 00
26.	"	Tjomo.	Nielsen.	899	Steel billets.	Sydney.	Philadelphia.	17	3	17	8	4	4	8 00
29.	"	Santanderind	Egurada.	1,814	Pitch pine.	Pensacola.	Fleetwood.	21	8	22	.	7	.	8 00
3.	Oct.	Neva	Danielsen.	1,109	Wood	Campbellton, N.B.	Glasgow.	18	6	20	.	3	11	8 00
6.	"	Carl	Olsen.	1,558	"	Quebec.	Bristol.	20	2	21	6	9	7	8 00
6.	"	Siggen.	Smedsvig.	670	Steel billets.	Sydney.	New Haven, Conn.	14	6	16	.	2	2	8 00
6.	"	Rjukan.	Linaac.	1,108	Wood.	Chatham, N.B.	Preston.	17	8	19	.	3	3	8 00
7.	"	Unique.	Bjouness.	1,298	"	Rivière du Loup, Que	Cork.	20	2	21	6	2	6	8 00
13.	"	Banana	Painter	1,802	" and cotton.	Mobile, Ala.	Liverpool.	17	6	19	10	7	2	8 00
13.	"	Roddan.	Fox.	1,506	Pitch pine	Norfolk & Pensacola	Genoa.	20	6	20	8	2	6	8 00
13.	"	Manchester Corpn	Heath	3,585	Grain and cotton.	Pensacola.	Bremen	24	.	24	.	10	4	8 00
14.	"	Tonma.	Thorsen.	979	Pig iron, steel billets and ammonia.	Sydney, N.S.	Philadelphia.	17	8	18	1	2	9 ¹	8 00
14.	"	Lord Ormonde.	Aiken.	2,533	General	Galveston	Bremen.	22	2	24	8	6	10	8 00
14.	"	Mantineia.	Pearce.	1,737	Wood.	Chatham, N.B.	Glasgow.	19	10	21	2	5	3	8 00
14.	"	Leuctra.	Grant	1,949	"	"	Browhead.	19	8	21	3	5	4	8 00

PORT WARDEN'S REPORT for Whitney Pier, Sydney, N.S., for 1902—Concluded.

Date.	Reg.	Name of Vessel.	Name of Master.	Registered Tonnage.	Cargo.	From.	Where bound.	DRAUGHT.			Free Board	Fee.
								Fore.	Aft.	ft. in.	ft. in.	\$ cts.
1901.												
Oct. 18.	"	Concordia..	Webb.....	1,616	Coal.....	Sydney, N.S.	Montreal.....	21 2	21 6	5 9		8 00
" 20.	"	Loango.....	Cole.....	1,933	General.....	Rotterdam..	".....	20 ..	20 11	9 11		8 00
" 23.	"	Ceylon.....	Johansen..	1,443	Grain and wood.	Montreal and Quebec	Hull.....	20 ..	20 2	3 ..		8 00
" 24.	"	Maderlino..	DeKaraa..	1,778	Pitch pine.....	Pensacola.....	Genoa.....	23 6	24 6	7 6		8 00
" 27.	"	Minnetonka	Fowler.....	3,860	Grain.....	Quebec.....	London.....	23 6	24 3	9 3		8 00
" 27.	"	Laura.....	Crast.....	2,014	Pitch pine.....	Mobile.....	Greenock	17 6	18 ..	6 5		8 00
" 31.	"	Tjomo ..	Nilsen.....	899	Steel billets.....	Sydney.....	Boston.....	17 1	17 7	4 3		8 00
" 31.	"	Nith ..	Stephenson.	1,489	Pig iron	" ..	Baltimore.....	19 9½	19 9	2 4		8 00
" 31.	"	Longfond ..	Hansen.....	1,634	Wood.....	St. Catherine's Bay,	" ..					
						Quebec.....	London.....	20 ..	20 ..	7 2		8 00
Nov. 6.	"	Siggen.....	Smedsvig..	670	Steel billets.....	Sydney.....	Philadelphia.	14 6	15 6	2 3		8 00
" 6.	"	Sydenham..	Danielsen.	1,544	Wood.....	Montreal.....	Tyne Docks..	16 ..	17 7	5 11		8 00
" 7.	"	John Christie	Jaspersen..	972	" ..	Sydney.....	Dublin.....	18 3	18 10	2 4		8 00
" 16.	"	Hestra.....	Ferguson..	2,434	General and pig iron..	Montreal and Sydney	Glasgow.....	21 6	21 10	8 8		8 00
" 17.	"	Lugano ..	Knight.....	2,870	Pitch pine.....	Pensacola.....	Corunna.....	24 4	21 9	8 3		8 00
" 15.	"	Fox.....	Tufte.....	1,582	Steel billets.....	Sydney, N.S.	Chester, Pa.	19 2	19 2	5 1		8 00
" 12.	"	Ashantis..	Brichman..	2,186	General and cattle ..	Montreal.....	London.....	20 1	21 2	6 3½		8 00
" 15.	"	Assencion DeLarringa	Kramer.....	2,793	Cotton.....	Galveston	Manchester.	17 9	21 9	9 ..		8 00
" 22.	"	Priestfield.....	Curtis.....	2,612	Steel, pig iron and ammonia.....	Sydney.....	Philadelphia.	23 5	24 2	6 9½		8 00
" 22.	"	Actis ..	Olsen.....	857	Wood.....	Three Rivers..	London.....	14 2	15 8	4 4		8 00
" 26.	"	Bergenhus..	Svendsen..	2,344	Steel billets.....	Sydney.....	Philadelphia.	22 5	22 5	5 3		8 00
" 25.	"	Arygal.....	Rod ..	990	Wood.....	Bangor, Me.	Greenock.....	17 6	19 4	3 3		8 00
" 27.	"	Skuld ..	Hansen.....	1,698	General and wood.....	Montreal.....	Hull, Eng.....	23 6	22 11	5 6		8 00
" 27.	"	Siggen.....	Smedsvig..	670	Steel billets.....	Sydney.....	Philadelphia.	14 6	15 6	2 3		8 00
" 28.	"	Memnon.....	Thomas.....	2,046	General and cattle ..	Montreal and Quebec	London.....	20 3	22 2	8 9½		8 00
" 28.	"	Lovstakken.	Rinertsen..	2,003	Wood.....	Chatham, N.B.	Browhead	19 ..	20 2	6 9		8 00
Dec. 1.	"	Nith.....	Stevenson ..	1,489	" ..	Liscomb, N.S.	Manchester..	19 10	19 11	3 3		8 00
" 1.	"	Melville..	Lymons.....	2,871	General	Montreal.....	Cape Town, S.A.	21 ..	22 4	8 2½		8 00
" 1.	"	Belfast ..	Bowl.....	2,139	" ..	" ..	Cardiff.....	20 ..	21 10	6 9		8 00
" 2.	"	Bringham ..	Felkins.....	2,612	Pulp wood.....	Quebec.....	Manchester..	20 2	22 6	9 3½		8 00
" 8.	"	Alderney ..	Friwald.....	1,987	Steel billets.....	Sydney.....	Philadelphia.	19 6	20 4	4 4		8 00
" 10.	"	Unison.....	Pedersen..	761	Survey on hatches and	cargo of cement.	Stockholm.....	20 5	21 ..	1 4		8 00
" 10.	"	Oscar Fredrik.	Camp ..	2,667	Coal.....	Sydney.....	Oxelosund	19 3	20 ..	4 ..		8 00
" 18.	"	Oscar II ..	Peterson..	2,247	" ..	" ..	" ..					

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"	19..	"	Trald.....	Sundby.....	2,075	Pig iron .	"	New York.....	20	10	21	8	5	7	8 00	
"	19..	"	Colombia.....	Kirtzberg .	511	General	Philadelphia.....	Bergen	12	2	13	9	2	2	8 00	
"	29..	"	Cape Breton.....	Reid	1,109	Steel.	Sydney.....	Boston	17	..	18	2	1	5½	8 00	
"	30..	"	Oriana.....	Andersen.....	2,882	General	St. John, via Hali- fax, N.S.....	Cape Town, S.A.....	22	7	24	9	7	9	8 00	
					199,356											952 00

NELSON TOWNSEND,
Port Warden.

APPENDIX No. 39.

REPORT OF THE PORT WARDEN AT YARMOUTH, N.S., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

YARMOUTH, N.S., January 9, 1903.

To the Minster of Marine and Fisheries,
Ottawa.

SIR,—I now make my report as Port Warden for Yarmouth, N.S., for year ended December 31, 1902.

I have been called on nineteen times for survey of hatches and vessels arriving in distress, and once for sea-worthiness.

Gross amount of fees.....	\$252 00
Paid out for assistance.....	129 00
	<hr/>
Net amount of fees.....	\$123 00

I remain your obedient servant,

EBEN SCOTT,
Port Warden.

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APPENDIX No. 40.

REPORT OF THE PORT WARDEN AT CHATHAM, N.B., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

CHATHAM, N.B., February 22, 1902.

To the Honourable
The Minister of Marine and Fisheries,
Ottawa.

DEAR SIR,—Inclosed please find copies of surveys on bark *Josva* and schooner *Blomidon* at this port ; those included all the surveys this season made by me as Port Warden. Navigation closed on this river about the 12th inst. The amounts received by me this season were as follows :—

Schooner <i>Blomidon</i>	\$15 00
Bark <i>Josva</i>	25 00
	<hr/>
	\$40 00
	<hr/>

Your obedient servant,

WILLIAM MUIRHEAD,
Port Warden.

PORT CHATHAM, N.B., October 30, 1902.

At the request of J. A. Shute, master of the schooner *Blomidon*, 271 tons, of Canning, Nova Scotia, I William Muirhead, Port Warden of the Port of Chatham, New Brunswick, Dominion of Canada, and Robert J. Walls, ship carpenter and pilot master, proceeded on board the said schooner for the purpose of holding a survey on said vessel, she having been driven into the port by stress of weather in the Gulf of St. Lawrence while on a voyage from New York, U.S., to Seven Islands, in the Province of Quebec. We, the above mentioned surveyors, found fore masthead sprung and twisted, main gaff broken, port cat head gone, outer jib, main jib, foresail and spanker badly torn, lower streak of bulwark cut away to let water off the deck. Officers and crew report vessel making considerable water at sea but since arrival in port the leak has stoped. We, the surveyors would recommend deck and waterways to be caulked ; sails, sails rigging and spars repaired, and any other repairs necessary to make the vessel sea-worthy. We would also recommend the discharging of a part or all of the cargo of cement in order to report on state of the hull as far as can be seen without hauling vessel out of water, and thoroughly overhaul and caulk topsides. Owing to the lateness of the season and the nature of the cargo of cement, do not consider it prudent for Captain Shute to attempt to proceed on his voyage to Seven Islands, and would therefore recommend him to discharge and store his cargo of cement until spring.

WILLIAM MUIRHEAD,
Port Warden.

ROBERT J. WALLS,
Pilot Master.

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Survey on bark "Josva".

PORT OF CHATHAM, September 15, 1902.

At the request of Christopher Ommundsen, master of the Norwegian bark *Josva*, 495 tons, register tonnage, now lying at the Port of Chatham, I, William Muirhead, Port Warden of the Port of Chatham, New Brunswick, Dominion of Canada, and Robert J. Walls, Pilot Harbour and Shipping Master, proceeded on board the said bark *Josva* for the purpose of holding a survey on hatches and a cargo of salt and sugar.

We found the hatches well tarpaulined and battened and in good condition; also the cargo as far as visible in fair state and not damaged by salt water or in any other manner.

WILLIAM MUIRHEAD,
Port Warden.

ROBERT J. WALLS,
Pilot Master.

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APPENDIX No. 41.

REPORT OF THE PORT WARDEN AT HOPEWELL CAPE, N.B., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

HOPEWELL CAPE, December 31, 1902.

To the Honourable
The Minister of Marine and Fisheries,
Ottawa.

DEAR SIR,—Inclosed please find annual statement of Port Warden's fees for year ended December 31, 1902. I also report the schooner *Lillie G.* an abandoned wreck. I also report the schooner *Glad Tidings* as a wreck.

Yours, &c.,

HENRY J. BENNETT,
Port Warden.

Amount of fees collected for the year ended December 31, 1902 :—

Schooner <i>Ellen M. Mitchell</i>	\$12 00
“ <i>Earl of Aberdeen</i>	16 00
	<hr/>
	\$28 00

H. J. BENNETT,
Port Warden.

Schooner *Ellen M. Mitchell* dragged ashore near Grindstone Island in gale of wind. Held surveys and granted certificates.

Schooner *Earl of Aberdeen* collided with schooner in Petitcodiac River and sustained damages. Held surveys and granted certificates.

H. J. BENNETT,
Port Warden.

HOPEWELL CAPE, December 31, 1902.

APPENDIX No. 42.

REPORT OF THE PORT WARDEN AT ST. ANDREWS, N.B., FOR THE
CALENDAR YEAR ENDED DECEMBER 31, 1902.

St. ANDREWS, N.B., January 5, 1903.

Port Warden's report for all dues collected at the port of St. Andrews, for the
calendar year ended December 31, 1902 :—

March 27—	Survey on schooner <i>Glenosa</i>	\$4 50
April —	“ pilot boat <i>Cruisoe</i>	1 00
Nov. 28—	“ , schooner <i>Wm. Doran</i>	1 00
		<hr/>
		\$6 50
		<hr/>

JOHN WREN,
Port Warden

APPENDIX No. 43.

REPORT OF THE PORT WARDEN AT PRINCE EDWARD ISLAND FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

PORT WARDEN'S OFFICE,
PRINCE EDWARD ISLAND, December 31, 1902.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to submit my annual report of the business of my office during the past season.

I regret to say that we have had an unusual early close of navigation which prevented more produce being shipped from the island this season.

I am glad to state that all the vessels loaded with grain cargoes for foreign ports have arrived safe at ports of destination.

I have the honour to be, sir,
Your obedient servant,

H. P. WELSH.

RECEIPTS and Expenditure of the Port Warden's Office, Prince Edward Island, for the year ended December 31, 1902.

Date.	Receipts.	Amount.	Date.	Expenditure.	Amount.
1902.		\$ cts.	1902.		\$ cts.
	To fees derived from grain-laden vessels	29 00		By expenses of office	9 75
	Damaged goods	12 00		Commissions to deputies...	21 00
	Survey on wrecks	20 00		Balance.....	106 75
	Other surveys	76 00			
		137 50			137 50

I hereby certify the above to be a correct statement.

H. P. WELSH.

CHARLOTTETOWN, P.E.I., December 31, 1902.

APPENDIX No. 44.

REPORT OF THE PORT WARDEN AT VICTORIA AND ESQUIMALT,
B.C., FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1902.

VICTORIA, B.C., January 5, 1903.

F. GOURDEAU, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour of submitting my annual report as Port Warden for the ports of Victoria and Esquimalt, B.C., for the year ended December 31, 1902.

Amount of fees received for surveys on the hatches of 47 vessels	\$235 00
Amount received for surveys on cargoes, hulls, &c	402 00
Total fees received.	<u>\$637 00</u>

I have the honour to be, sir,
Your obedient servant,

CHARLES E. CLARKE,
Port Warden.

APPENDIX No. 45.

HARBOUR MASTERS.

TABLE showing the names of Ports proclaimed under certain Dominion Acts, the provisions of which are found in Chapter 86, Revised Statutes of Canada, for the appointment of harbour masters; the dates of proclamation; the names of the harbour masters appointed; the dates of the appointment of harbour masters; the amount which each of their salaries is not to exceed; the amount of fees collected by each of them during the calendar year ended December 31, 1902, and the over-plus, if any, paid in to the credit of the Receiver General.

PROVINCE OF ONTARIO.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1902.	Amount paid over to Receiver General.
				\$ cts.	\$ cts.	\$ cts.
Collingwood.....	Mar. 3, '77	Andrew Lockerbie.....	Mar. 3, '77	200 00	88 00	.....
Depôt Harbour.....	June 15, '98	J. F. Pratt.....	May 30, '98	200 00	.....	.....
Fort William.....	July 7, '91	Thos. E. Oakley.....	May 21, '97	400 00	Nil.	.....
French River.....	June 20, '93	E. Borron, jun.	June 20, '93	200 00	.....	.....
Goderich.....	April 22, '76	William Marlton.....	May 8, '94	300 00	41 50	.....
Meaford.....	July 16, '02	Samuel McClain.....	July 16, '02	200 00	3 50	.....
Midland.....	July 22, '82	John White.....	July 13, '97	200 00	155 00	.....
Parry Sound.....	Mar. 24, '83	John Purvis	Oct. 9, '00	200 00	.....	.....
Penetanguishene.....	Feb. 2, '77	Francis Dusome.....	June 3, '81	200 00	20 50	.....
Port Arthur.....	May 12, '84	B. Guerard.....	May 21, '97	200 00	83 00	.....
Port Stanley.....	Jan. 15, '98	Frank E. Shepherd.....	Jan. 15, '98	200 00	.....	.....
Rondeau.....	May 4, '78	W. R. Fellowes.	Dec. 17, '88	100 00	19 00	.....
Southampton.....	Sept. 13, '75	W. H. Johnston.....	Oct. —, '82	100 00	57 50	.....
Sarnia.....	July 25, '85	Robert McAdam.....	May 3, '86	300 00	.....	.....

PROVINCE OF QUEBEC.

Amherst.....	Sept. 2, '78	John Cassidy.....	Sept. 2, '78	200 00	13 50	.....
Bersimis.....	July 31, '91	Earl D. Chase.....	July 31, '91	200 00	.....	.....
Carleton.....	Dec. 8, '81	Charles Bernier.....	April 15, '02	200 00	.....	.....
Chicoutimi.....	May 23, '85	Ainsworth Sturton.....	June 8, '86	200 00	.....	.....
Grand Entry.....	Feb. 19, '92	Geo. Rumley.....	Jan. 12, '01	200 00	.....	.....
Grand River.....	April 3, '00	Geo. Beaudin.....	April 3, '00	100 00	22 00	.....
Gaspé.....	Sept. 22, '74	Francis G. Eden.....	" 3, '89	500 00	.....	.....
House Harbour.....	Aug. 9, '87	C. Lafrance.....	Dec. 10, '96	200 00	7 50	.....
Lachine.....	April 19, '80	Vacant .....	.....	.....	.....	.....
Matane.....	Oct. 19, '77	L. J. Levasseur.....	Dec. 12, '96	200 00	48 50	.....
Métis.....	Feb. 7, '78	J. H. Ferguson.....	Mar. 10, '96	200 00	.....	.....
New Carlisle.....	" 25, '89	John Chisholm.....	April 22, '02	200 00	0 50	.....
New Richmond.....	April 3, '82	F. X. Cormier.....	" 22, '02	200 00	28 00	.....
Nouvelle.....	Jan. 3, '03	Joseph Casey.....	Jan. 3, '03	200 00	.....	.....
Oak Bay.....	Mar. 22, '80	Vacant.....	.....	200 00	.....	.....
Paspébiac.....	May 22, '77	W. L. Kempffer.....	Sept. 21, '00	150 00	54 50	.....
Port Daniel.....	Mar. 25, '89	Claude H. Sweetman.....	Mar. 12, '01	200 00	.....	.....
Rimouski.....	" 5, '77	A. P. St. Laurent.	May 13, '96	200 00	46 00	.....
Rivière Ouelle.....	July 22, '82	Vacant.....	.....	100 00	.....	.....
Rivière du Loup.....	June 19, '00	F. E. Gilbert.....	Oct. 5, '02	100 00	60 00
St. Thomas.....	Dec. 21, '84	L. Dionne.....	" 22, '96	200 00	65 50

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TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Con.*PROVINCE OF QUEBEC—*Concluded.*

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1902.	Amount paid over to Receiver General.
				\$ cts.	\$ cts.	\$ cts.
St. Johns.....	Within the Harbour of Montreal.	G. H. Farrar.....	Mar. 20, '97	500 00	713 50	213 50
Sorel.....		J. A. Proulx.....	June 6, '01	400 00	439 50	39 50
Trois Pistoles.....	Mar. 28, '98	Edouard T. Pettigrew.....	April 11, '99	100 00	19 00	.....

PROVINCE OF NEW BRUNSWICK.

Alma.....	May 2, '98	Gideon W. Parsons	Mar. 2, '98	100 00	3 50	.....
Bathurst	" 30, '73	M.-T. Daley.. ..	April 21, '96	200 00	82 00	.....
Black's Harbour and Beaver Harbour ...	Sept. 22, '83	E. W. Cross.....	Sept. 22, '83	100 00	.....	.....
Buctouche	May 30, '73	H. Hutchinson	April 17, '97	100 00	.....	.....
Campbellton.....	" 9, '73	A. J. Venner.....	" 12, '93	200 00	113 00	.....
Campobello	" 30, '73	W. E. Sulis.....	Dec. 16, '92	100 00	.....	.....
Cape Tormentine.....	" 7, '95	M. S. Treen	May 13, '01	200 00	60 00	.....
Caraquet.....	" 30, '74	X. G. Paulin	July 16, '02	150 00	Nil.	.....
Chatham.....	" 30, '73	R. J. Walls.....	April 13, '91	300 00	299 50	.....
Cocagne	" 30, '73	H. Bourgeois	Mar. 12, '97	100 00	.....	.....
Dalhousie	" 30, '73	W. S. Smith.....	" 19, '88	200 00	190 50	.....
Dorchester.....	" 30, '75	James Shea.....	Oct. 25, '00	200 00	24 00	.....
Fairhaven.....	" 30, '01	Alonzo Calder	July 30, '01	200 00	18 50	.....
Fredericton	" 30, '73	Vacant.....	.....	.....	.....	.....
Grand Manan, North...	Aug. 22, '89	Newton L. Thomas.....	Oct. 9, '01	100 00	.....	.....
Grand Manan, South...	" 22, '89	Turner Ingalls	May 23, '01	100 00	.....	.....
Gull Rock Channel.....	Jan. 14, '98	Wm. L. Kent.....	Jan. 14, '98	100 00	.....	.....
Great Shemogue.....	May 10, '73	Vacant.....	.....	100 00	.....	.....
Harvey	" 30, '73	Jas. E. Bishop.....	June 22, '97	100 00	42 50	.....
Heron Channel.....	July 15, '97	Duncan Robertson	July 15, '97	200 00	51 00	.....
Hillsborough.....	May 30, '73	John O'Shaughnessy	April 13, '98	100 00	143 50	.....
Hopewell Cape.....	Aug. 25, '91	John H. Christopher.....	June 26, '99	200 00	40 50	.....
Ledge of St. Stephens..	May 30, '73	W. McBean	" 12, '94	100 00	.....	.....
Letete, &c.....	Sept. 22, '83	Jacob Cook.....	Nov. 26, '97	100 00	7 00	.....
Little Shippegan and Miscou Gully	April 19, '86	Donald Harper	April 19, '86	100 00	.....	.....
Little Shemogue	Sept. 5, '88	Vacant.....	.....	100 00	.....	.....
Moncton	May 30, '73	T. J. Coffey.....	April 12, '02	200 00	5 50	.....
Musquash.....	Mar. 26, '74	J. McNulty	Sept. 28, '96	100 00	13 00	.....
Newcastle.....	May 30, '73	John Niven.....	July 7, '73	300 00	116 50	.....
North Joggins	" 30, '73	Vacant.....	.....	.....	.....	.....
Port Elgin and Bay Verte	Feb. 6, '73	Andrew Grant.. ..	May 7, '01	200 00	6 50	.....
Pokemouche	July 7, '83	M. Landry	" 13, '01	100 00	Nil.	.....
Richibucto.....	May 30, '73	James Alexander Jardine	" 11, '74	200 00	.....	.....
Rockland	" 30, '73	Vacant.....	.....	.....	.....	.....
Sackville	" 30, '73	John A. Bowser	Aug. 8, '98	200 00	.....	.....
St. Andrew's.....	" 30, '73	John Wren	May 6, '84	100 00	101 00	1 00
St. George.....	" 30, '73	Geo. W. McKenzie.....	" 10, '00	100 00	12 00	.....
St. Martin and Quaco...	" 14, '74	J. R. McDonough.....	July 16, '02	100 00	16 50	.....
Shediac.....	" 30, '75	Alexander McQueen	May 19, '76	300 00	63 50	.....
Shippegan	" 30, '73	Auguste Robichaud	Mar. 29, '01	100 00	.....	.....
Tracadie	July 9, '75	Theodore Savoy.....	Sept. 23, '99	100 00	9 00	.....
Waterside.....	Sept. 3, '89	W. C. Anderson.....	May 24, '01	100 00	1 00	.....
West Isles	July 30, '01	B. Simpson.....	Sept. 27, '01	200 00	.....	.....

PROVINCE OF NOVA SCOTIA.

Abbot's Harbour.....	May 23, '01	F. U. D'Entremont.....	May 23, '01	200 00	5 00
Advocate	" 10, '80	Wm. Mills.....	Mar. 17, '99	100 00

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TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Con.*PROVINCE OF NOVA SCOTIA—*Continued.*

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1902.	Amount paid over to Receiver General.
				\$ cts.	\$ cts.	\$ cts.
Annapolis.....	Feb. 25, '75	John Lindgren.....	July 7, '98	200 00	55 00	....
Apple River.....	Aug. 5, '86	Robt. D. Field.....	Sept. 9, '90	200 00	35 50	....
Arichat.....	April 22, '79	B. Gerrior.....	May 23, '01	200 00	32 50	....
Baddeck.....	Sept. 15, '75	Alex. McAulay.....	Dec. 10, '90	100 00	....	....
Barrington.....	April 1, '81	B. Kenney.....	July 6, '93	200 00	16 50	....
Bayfield.....	July 11, '79	John McDonald.....	" 11, '79	200 00	Nil.	....
Bay St. Lawrence.....	April 21, '87	G. Zwicker.....	April 21, '87	200 00	....	....
Bear River.....	Sept. 22, '74	Wm. McFadden.....	Sept. 27, '97	100 00	31 50	....
Beaver Harbour.....	July 5, '80	Henry Hawbolt.....	" 22, '88	100 00	7 00	....
Big Harbour.....	June 9, '83	Donald McKenzie.....	May 28, '83	100 00	Nil.	....
Bridgewater.....	May 6, '74	William Oakes.....	Jan. 28, '96	100 00	68 50	....
Bras d'Or including New Campbellton.....	" 6, '74	Wm. Livingstone.....	Feb. 13, '94	200 00	11 00	....
Cape Canso.....	June 6, '76	William A. H. Oliver.....	Mar. 2, '99	100 00	123 50	23 50
Cape Negro or North East Harbour.....	May 18, '81	A. D. Perry.....	May 18, '81	200 00	13 50	....
Chester.....	Sept. 8, '83	A. P. Corkum.....	July 8, '96	100 00	7 00	....
Cheticamp.....	April 15, '76	Fulgence Aucoin.....	April 15, '76	100 00	....	....
Clark's Harbour.....	June 1, '81	J. B. Brannen.....	June 1, '81	200 00	5 00	....
Clementsport.....	May 1, '77	J. M. LeCain.....	Oct. 18, '98	150 00	9 00	....
County Line to Grand Narrows.....	May 28, '83	Vacant.....	....	....	....	....
Crow Harbour.....	Sept. 30, '88	A. F. Ehler.....	Aug. 30, '97	100 00	....	....
D'Escousse.....	Jan. 23, '85	Michael Martell.....	April 22, '02	100 00	5 50	....
Digby.....	Feb. 19, '78	Howard Anderson.....	June 19, '02	200 00	43 50	....
East Bay.....	Aug. 25, '83	Donald McInnis.....	April 5, '86	100 00	....	....
Fourchie.....	May 22, '89	Neil MacLean.....	May 22, '89	100 00	3 00	....
Gaberouse.....	Mar. 3, '79	John Wm. Hardy.....	Nov. 2, '86	100 00	1 00	....
Glasgow and Cape Breton Pier, Sydney.....	Oct. 30, '80	Angus McQuarrie.....	Oct. 30, '80	300 00	68 50	....
Guysboro.....	Jan. 15, '89	Archibald M. Peart.....	Feb. 11, '02	100 00	7 00	....
Halifax.....	No proclamation required by Act ...	J. E. Butler.....	Sept. 21, '93	1,800 00	1,521 00	....
Hantsport.....	June 7, '84	Wm. McCulloch.....	Jan. 17, '02	225 00	276 00	50 75
Ingonish, North Bay of.	Mar. 24, '81	John Jackson.....	April 25, '02	200 00	....	....
" South " ..	Oct. 9, '84	James Doucette.....	" 30, '01	100 00	22 10	....
Ingram River.....	Feb. 18, '00	Rand. Gibbons.....	Feb. 18, '00	100 00	....	....
International Pier, Sydney.....	" 30, '80	Michael J. Neville.....	Oct. 30, '80	300 00	619 00	319 00
Isaac's Harbour.....	" 30, '89	Thomas D. Cook.....	June 19, '00	100 00	21 50	....
Jeddore.....	Sept. 20, '90	Wm. Jennox.....	Sept. 20, '90	100 00	9 50	....
Jordan Bay.....	Oct. 25, '76	Freeman Thorburn.....	Mar. 11, '01	150 00	20 00	....
Kelly Cove.....	Feb. 17, '99	Jos. B. Huskins.....	Feb. 17, '99	100 00	....	....
LaHave or Getson's Cove	" 25, '75	George Henry Zwicker.....	" 25, '75	300 00	39 50	....
L'Ardoise, Upper and Lower.....	Aug. 29, '84	George Burke.....	Aug. 29, '84	100 00	1 50	....
Lingan.....	July 12, '81	Thomas Laffin.....	July 12, '81	200 00	....	....
Liscomb.....	May 18, '81	Lewis Wilson.....	Feb. 20, '00	200 00	53 50	....
Little Bras d'Or Lake between McKay's Point and Grand Narrows...	April 25, '84	Daniel Campbell.....	April 17, '99	100 00	....	....
Little Bras d'Or Lake from McKay's Point to Washadebuck River..	" 25, '84	Alex. J. McNeil.....	" 25, '84	100 00	....	....
Little Glace Bay.....	July 23, '74	E. Douglas Rigby.....	May 8, '84	200 00	7 00	....
Little Narrows to Cranberry Point.....	June	K. McLennan.....	Nov. 1, '97	100 00	....	....
Liverpool.....	Jan. 19, '77	Isaac V. Dexter.....	Oct. 7, '99	200 00	....	....
Lockeport.....	May 18, '81	E. A. Capstick.....	May 18, '81	200 00	....	....
Louisbourg.....	Mar. 17, '79	H. C. V. Lavatte.....	Oct. 13, '98	200 00	....	....

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Con.*
PROVINCE OF NOVA SCOTIA—*Continued.*

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1902.	Amount paid over to Receiver General.
				\$ cts.	\$ cts.	\$ cts.
Lunenburg	Dec. 3, '75	John Loye.....	Dec. 10, '96	150 00	147 50	.....
Mabou.....	June 23, '80	John McInnis	July 11, '00	100 00	2 00	.....
Mahone Bay.....	May 16, '87	J. A. Mader.....	Jan. 21, '01	200 00	29 50	.....
McNair's Cove.....	Mar. 8, '75	Ronald McEachen.....	Mar. 8, '75	150 00	.....	.....
Main à Dieu.....	July 21, '86	Vacant.....	.....	.....	.....	.....
Marble Mountain.....	" 26, '92	D. Macdonald	July 26, '92	200 00	3 50	.....
Margaretsville.....	Mar. 26, '78	Robert Early	Mar 26, '78	100 00	.....	.....
Margaret's Bay.....	July 9, '75	Henry C. Garrison....	Dec. 14, '01	100 00	11 00	.....
Margaree	June 5, '86	Nicholas Deagle	Feb. 27, '93	100 00	.....	.....
Marie Joseph.....	Jan. 23, '95	John Davis.....	Jan. 23, '95	100 00	.....	.....
Merigonish.....	Mar. 26, '78	D. McGregor.....	Mar. 22, '93	100 00	2 50	.....
Meteghan Harbour.....	June 8, '97	B. F. Robichaud	June 8, '97	100 00	16 50	.....
Meteghan River.....	Feb. 10, '83	L. A. Comeau.....	" 1, '97	100 00	.....	.....
Musquodoboit.....	May 19, '82	David Williams.....	May 19, '82	100 00	5 50	.....
New Haven.....	June 9, '83	H. A. McLeod.....	Aug. 17, '89	100 00	.....	.....
Neil's Harbour.....	April 11, '76	A. Hayman	May 28, '83	100 00	.....	.....
Northport.....	June 27, '82	John M. Burns.....	June 27, '82	100 00	23 50	.....
North-west Cove, Coleman's Cove and Aspotogan Harbour.....	Dec. 29, '76	P. Pontillier.....	June 30, '92	200 00	.....	.....
Parrsboro	Oct. 23, '73	R. T. Smith.....	April 30, '01	300 00	275 50	.....
Petit de Grat.....	June 5, '95	S. Boudrot.....	June 5, '95	200 00	7 50	.....
Petite Rivière Bridge...	July 7, '83	John Nelson Parks.....	April 27, '88	100 00	.....	.....
Plaster Harbour.....	May 6, '71	Vacant.....	.....	.....	.....	.....
Port George.....	" 1, '77	Charles B. Weaver.....	May 1, '77	150 00	.....	.....
Port Greville.....	Mar. 5, '80	Wm. Cochrane	Oct. 26, '98	200 00	41 50	.....
Port Hawkesbury ..	July 9, '75	Daniel Henesey.....	July 9, '75	200 00	129 50	.....
Port Hood.....	" 9, '75	John H. Murphy.....	" 9, '75	200 00	6 00	.....
Port la Tour.....	April 11, '81	Wm. Sholds	Feb. 15, '98	200 00	.....	.....
Port Lorne	Mar. 13, '86	Freeman Beardsley.....	June 9, '97	200 00	2 00	.....
Port Maitland.....	May 26, '85	Josiah Ellis	Dec. 10, '96	200 00	.....	.....
Port Morien.. ..	Mar. 3, '79	Hector McDonald.....	Mar. 3, '79	400 00	10 50	.....
Port Mulgrave.....	" 6, '76	James McKay.....	May 1, '01	200 00	17 00	.....
Port Medway.....	June 25, '79	S. Manthorn.....	Feb. 2, '99	200 00	.....	.....
Pubnico.....	Sept. 27, '82	D. Q. Amireau.....	Sept. 27, '82	100 00	42 50	.....
Pugwash.....	Oct. 22, '73	C. T. DeWolfe	May 6, '95	100 00	57 00	.....
Ritcey's Cove.....	Sept. 29, '84	T. J. C. Creaser.....	Jan. 8, '01	100 00	54 50	.....
River Bourgeoise.....	April 19, '86	E. C. Bouchie.....	April 19, '86	100 00	4 50	.....
River John.....	Mar. 26, '78	H. Campbell.....	June 11, '91	100 00	0 50	.....
St. Ann's.....	Dec. 29, '00	George Fader	Dec. 29, '00	200 00	14 00	.....
St. Mary's River.....	May 18, '81	John P. Burns.....	Dec. 23, '01	200 00	24 00	.....
St. Peter's.....	Jan. 24, '81	Peter McNeil.....	Sept. 17, '83	200 00	95 50	.....
Sambro	Dec. 23, '79	Ben Smith.....	May 27, '90	200 00	22 00	.....
Sheet Harbour.....	May 14, '74	H. Hall.....	April 13, '98	200 00	.....	.....
Shelburne	Aug. 27, '77	John C. Morrison.....	May 4, '97	200 00	151 00	.....
Ship Harbour	June 2, '84	Conrad Marks.....	June 2, '84	100 00	43 50	.....
Spencer's Island ..	May 22, '99	Baxter McLellan.....	May 22, '99	100 00	.....	.....
Tangier.....	Nov. 14, '01	Chas. A. Hilchey.....	Nov. 14, '01	200 00	6 00	.....
Tatamagouche.....	Feb. 27, '78	Wm. Rielly.....	June 1, '00	200 00	.....	.....
Tidnish.....	Aug. 10, '80	Manford Oxley.....	Oct. 22, '01	100 00	13 50	.....
Tiverton.....	April 3, '00	Joel Blackford.....	April 3, '00	100 00	3 00	.....
Torbay and Whitehaven	May 18, '81	Andrew Haley.....	Dec. 10, '97	200 00	.....	.....
Tusket.....	Mar. 1, '75	Charles W. Hatfield.....	Mar. 7, '87	100 00	.....	.....
Tusket Wedge.....	Dec. 19, '99	James LeBlanc.....	Mar. 16, '01	100 00	68 50	.....
Victoria Pier, SouthBar, Sydney.....	July 25, '84	Ernest Richardson.....	Nov. 1, '97	200 00	.....	.....
Wallace.....	Oct. 22, '73	James D. Patton.....	Feb. 14, '96	100 00	8 00	.....
West Arichat	Aug. 20, '90	A. B. Poirier.. ..	Oct. 7, '96	100 00	17 50	.....
West Bay.....	May 8, '84	John McInnis.. ..	May 8, '84	100 00	1 50	.....
West Port.....	Mar. 8, '87	Geo. Welsh.....	Jan. 29, '98	200 00	21 50	.....
Weymouth.....	May 21, '94	R. Payson.....	May 29, '97	200 00	35 00	.....
Whycocomagh.....	Oct. 8, '75	Neil McKinnon.....	Oct. 8, '75	100 00	Nil.	.....

SESSIONAL PAPER No. 23

TABLE showing the names of the Ports proclaimed under the Dominion Acts, &c.—*Con.*PROVINCE OF NOVA SCOTIA—*Concluded.*

Name of Ports.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not exceed.	Amount collected in 1902.	Amount paid over to Receiver General.
				\$ cts.	\$ cts.	\$ cts.
Wolfville.....	Aug. 16, '01	J. L. Franklin.....	Aug. 16, '01	100 00	.....	8 50
Wood's Harbour.....	Feb. 19, '92	S. K. Woods.....	Feb. 19, '92	200 00	16 50	.....
Yarmouth.....	Mar. 1, '75	Ebenezer Scott.....	Oct. 19, '77	250 00	222 50	....

PROVINCE OF PRINCE EDWARD ISLAND.

Alberton.....	June 17, '74	John Kingh.....	July 30, '01	200 00	.....	.....
Bay Fortune.....	April 10, '75	John R. Coffin.....	April 29, '78	200 00	.....	.....
Brudenell.....	July 25, '85	Vacant.....	.....	200 00	.....	.....
Cape Traverse.....	May 23, '84	".....	.....	100 00	.....	.....
Cardigan River, including Cardigan Bridge..	July 2, '78	Hercules McDonald.....	July 2, '78	200 00	.....	.....
Cardigan River, from head of river to north bank Mitchell River..	May 16, '78	Joseph Livingstone.....	Nov. 14, '01	100 00	4 00	.....
Cove Head.....	" 15, '80	James D. McMillan.....	May 15, '80	100 00	.....	.....
Charlottetown and Hillsboro River.....	June 17, '74	David Small.....	Feb. 19, '77	400 00	130 00	.....
Crapaud.....	" 17, '74	Wesley Myers.....	June 17, '74	200 00	2 50	.....
Egmont Bay.....	" 17, '74	George Bollum.....	Nov. 3, '85	200 00	Nil.	.....
Georgetown.....	" 17, '74	Samuel James Hemphill.....	Sept. 27, '01	200 00	37 50	.....
Grand River.....	April 10, '75	Wm. Chas. Jenkins.....	May 4, '97	200 00	.....	.....
Grand River, down to and including Poplar Point and Chapel Wharf....	May 16, '79	Vacant.....	.....	200 00	.....	.....
Malpeque.....	June 20, '74	J. Champion.....	Dec. 10, '96	200 00	.....	.....
Miminegash.....	April 12, '80	Martin Hustler.....	Jan. 25, '01	100 00	.....	.....
Montague Bridge.....	June 7, '74	Welton Porter.....	April 7, '97	200 00	18 50	.....
Murray Harbour.....	" 7, '74	Wm. Miller.....	June 17, '74	200 00	.....	.....
Murray River.....	May 16, '79	Geo. McLeod.....	Feb. 9, '97	200 00	6 00	.....
New London.....	June 17, '74	Wm. Bell.....	Aug. 25, '96	200 00	.....	.....
Pinette.....	" 17, '74	Daniel McAulay.....	Dec. 18, '97	200 00	.....	.....
Port Hill.....	" 17, '74	W. C. Brown.....	June 20, '98	200 05	.....	.....
Pownal.....	July 10, '79	Michael Haley.....	Mar. 30, '97	100 00	.....	.....
Rollo Bay.....	April 10, '75	Vacant.....	.....	200 00	.....	.....
Rustico.....	May 5, '75	Felix Buote.....	Mar. 1, '97	200 00	.....	.....
St. Peter's Bay.....	April 10, '75	George Barry.....	May 3, '01	200 00	.....	.....
Souris East and West...	" 10, '75	Wm. McDonald.....	Sept. 21, '99	200 00	.....	.....
Summerside.....	June 17, '74	Wm. Stymest.....	Oct. 20, '97	200 00	51 56	.....
Tignish.....	April 22, '90	Vacant.....	.....	.....	.....	.....
Tracadie.....	May 5, '75	Donald Campbell.....	Aug. 27, '95	200 00	.....	.....
Tryon.....	April 12, '77	Vacant.....	.....	200 00	.....	.....
Vernon River Bridge...	June 17, '74	John Finlay.....	Oct. 9, '84	200 00	Nil.	.....
West River.....	May 5, '75	Vacant.....	.....	200 00	.....	.....
Wood Island.....	" 22, '99	James Young.....	May 22, '99	100 00	.....	.....

PROVINCE OF BRITISH COLUMBIA.

Chemainus.....	March 2, '97	Lewis G. Hill.....	Mar. 2, '97	200 00	312 50	112 50
Comox.....	April 25, '96	Geo. H. Rowe.....	April 25, '96	200 00	206 50	6 50
Nanaimo and Departure Bay.....	" 26, '76	Harry Cooper.....	Feb. 25, '97	500 00	183 50	.....
New Westminster....	Jan. 23, '80	Joseph Reichenbach.....	May 15, '01	400 00	85 50	.....
Quadra.....	April 17, '77	Vacant.....	.....	300 00	.....	.....
Vancouver, including Burrard Inlet.....	Feb. 22, '88	Malcolm Mcleod.....	Jan. 14, '97	600 00	585 50	.....
Victoria and Esquimalt.	March 8, '75	C. E. Clarke.....	Nov. 3, '94	600 00	713 50	113 50

F. GOURDEAU, *Deputy Minister Marine and Fisheries*

Grand Harbour.....	Charlotte.....	<i>D. J. W. McLaughlin.</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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NOVA SCOTIA.

	9	10	7 50	3	7	3 60	12	17	11 10
Advocate Harbour	Collector of Customs								
Anherst	"								
Annapolis	"								
Antigonish	"								
Apple River	"								
Arichat	"								
Aspy Bay	<i>D. O'C. Madden</i>								
Baddeck	Collector of Customs								
Barrington	"								
Bayfield	"								
Beliveau's Cove	"								
Bear River	"								
Beaver Harbour	<i>W. W. Wade</i>								
Bridgetown	Collector of Customs								
Bridgewater	"								
Canning	<i>N. C. Owen</i>								
Canso	Collector of Customs								
Cape Sable Island	"								
Church Point	<i>E. Nielerson</i>								
Clementsport	Collector of Customs								
Digby	"								
Freeport	"								
French Cross	"								
Great Bras d'Or	"								
Guysboro'	"								
Halifax	<i>H. Bligh</i>								
	1,654	1,323	1,223 90	1,451	1,233	1,095 40	3,105	2,556	2,319 30

STATEMENT showing returns respecting Shipping and Discharging Seamen, &c.—Concluded.
BRITISH COLUMBIA.

Name of Port.	Name of County.	Name of Shipping Master.	For half-year ended June 30, 1902.			For half-year ended December 31, 1902.			Total Seamen Shipped.	Total Seamen Discharged.	Total Amount.
			Seamen Shipped.	Seamen Discharged.	Amount. \$ cts.	Seamen Shipped.	Seamen Discharged.	Amount. \$ cts.			
Abouset.....	Clayoquot.....	G. R. McDougall.....									
Clayoquot.....	".....	John Grice.....									
Hesquait.....	Vancouver.....	A. J. Brabant.....									
Kynquot.....	Nanaimo.....	W. J. Feker.....	87	1	43 80		34	10 20	87	35	54 00
Masset Inlet.....	Queen Charl'te I'd.	Charles Harrison.....									
New Westminster.....	New Westminster.	Collector of Customs									
Ucluclet.....	Barclay Sound.....	Geo. Fraser.....	55	6	29 30	14	26	14 80	69	32	44 10
Vancouver.....	New Westminster.	D. McPhaiden.....	603	700	627 50	640	649	618 50	1,243	1,349	1,246 00
Victoria.....	Victoria.....	H. G. Lewis.....	645	232	392 10	226	456	249 30	871	688	641 40

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APPENDIX No. 47.

LIST of Certificates of Competency granted to Masters and Mates of INLAND and COASTING VESSELS, during the year ended June 30, 1902.

Number of Certificate.	Date of Certificate	Name.	Grade.	Address.	Where Examination was passed.	Fee.
	1901.					\$ cts.
3362	July 2..	H. C. V. A. Cartwright ..	Master.....	Belleville, Ont.....	Kingston, Ont ..	15 00
3363	" 2..	E. F. Sinclair.....	"	Newcastle, N.B.....	Newcastle, N.B.	15 00
3364	" 2..	Hugh Keeping.....	"	St. Johns, Nfld.....	Sydney, C.B....	15 00
3365	" 2..	Eben K. Merriam.....	"	Port Greville, N.S.....	Yarmouth, N.S.	15 00
3366	" 2..	John Stevenson.....	"	Selkirk, Man	Selkirk, Man....	15 00
3367	" 2..	Samuel Parsons.....	"	"	"	15 00
3368	" 2..	R. McDonald.....	"	Big Bras d'Or, N.S.....	Sydney, N.S....	15 00
3369	" 2..	Lawrence Johnstone.....	"	Wabigoon, Ont	Wabigoon, Ont..	15 00
3370	" 9..	John P. Ramsey	"	Sault Ste. Marie, Ont....	St. Catharines, O	15 00
3371	" 9..	A. Bigednoe	Mate.....	Georgina, Ont	"	6 00
3372	" 9..	John S. Segers	Master.....	Victoria, B.C.....	Victoria, B.C....	15 00
3373	" 9..	Chas. E. Bowden.....	"	Atlin, B.C	"	15 00
3374	" 11..	John E. Fulton.....	"	Victoria, B.C.....	"	15 00
3375	" 13..	Benj. F. Duvey.....	"	Gravenhurst, Ont	St. Catharines, O	15 00
3376	" 13..	Chas. Johnson	"	Arrowhead, B.C.....	Victoria, B.C....	15 00
3377	" 13..	Geo. H. Stephens	"	Sydney, C.B., N.S.....	Sydney, C.B....	15 00
3378	" 13..	Henry J. Matthews.....	"	Lakeport, Ont	St. Catharines, O	15 00
3379	" 13..	Louis Bouchot	"	Arichat, N.S.....	Sydney, C.B....	15 00
3380	" 18..	A. Marchildon	Master's per.	Sturgeon Falls, Ont.....	Ottawa, Ont....	5 00
3381	" 19..	Milton Pearce	Master.....	Parry Harbour, Ont.....	St. Catharines, O	15 00
3382	" 19..	Rupert Wry	"	Sackville, N.B.....	Yarmouth, N.S.	15 00
3383	" 19..	Louis Daigneault.....	"	Beauharnois, P.Q.....	Kingston, Ont..	15 00
3384	" 19..	George C. McKeen.....	"	New Westminster, B.C..	Vancouver, B.C.	15 00
3385	" 23..	James Sparks.....	"	Vancouver, B.C	"	15 00
3386	" 23..	Hiram F. Boisbin.....	Mate.....	Picton, Ont.....	Kingston, Ont..	6 00
3387	" 23..	George R. Dulmage	"	"	"	6 00
3388	" 24..	A. H. Thornburn.....	Master.....	Gore Bay, Ont.....	Spanish River, O	15 00
3389	" 24..	Oscar Lalonde.....	"	Windsor, Ont.....	St. Catharines, O	15 00
3390	" 24..	Omer Mireault	Master's per.	Dryden, Ont.....	Dryden, Ont....	5 00
3391	" 24..	John Bedard	Mate	Gananoque, Ont	Kingston, Ont..	6 00
3392	" 24..	Reuben Rorabeck	"	South Bay, Ont.....	"	6 00
3393	" 30..	E. J. Smith	Master..	Victoria, B.C.....	Victoria, B.C....	15 00
3394	" 30..	John Hudgin	"	Solmesville, Ont.....	Kingston, Ont..	15 00
3395	" 30..	James A. Herring.....	"	Pelee Island, Ont.....	"	15 00
3396	" 30..	Nap. Mallette.....	"	Rigaud, P.Q	Ottawa, Ont....	15 00
3397	" 30..	A. L. Carney	Mate.....	Sault Ste. Marie, Ont....	St. Catharines, O	6 00
3398	" 30..	Anthony Forsythe	Master.....	Vancouver, B.C.....	Vancouver, B.C.	15 00
3399	Aug. 1..	Maynard Fielden.....	"	Hantsport, N.S.....	Yarmouth, N.S.	15 00
3400	" 6..	H. H. Carlsson.....	"	Vancouver, B.C.....	Vancouver, B.C.	15 00
3401	" 6..	Wm. T. Windsor.....	"	Callender, Ont	St. Catharines, O	15 00
3402	" 6..	Frank Vickery.....	Mate.....	Yarmouth, N.S.....	Yarmouth, N.S.	6 00
3403	" 6..	Chas. E. Millard	Master.....	Sarnia, Ont.....	St. Catharines, O	15 00
3404	" 6..	Joseph H. Smith.....	"	Belleville, Ont.....	Kingston, Ont..	15 00
3405	" 9..	Joseph Villeux.....	"	Almaville, P.Q.....	Quebec, P.Q ...	15 00
3406	" 9..	A. Bodiley.....	"	Victoria, B.C.....	Victoria, B.C....	15 00
3407	" 9..	Geo. Davy.....	Mate.....	Kingston, Ont.....	Kingston, Ont.	6 00
3408	" 9..	F. X. Lafrance.....	Master.....	Beauharnois, P.Q....	"	15 00
3409	" 9..	Harry Leslie.....	"	Port Colborne, Ont.	St. Catharines, O	15 00
3410	" 9..	Chas. F. Winthers	Mate.....	Victoria, B.C.	Victoria, B.C....	6 00
3411	" 9..	Henry Redfearn	Master.....	Brighton, Ont.....	St. Catharines, O	15 00
3412	" 9..	Alonzo Coburn	"	Summerville, N.S.....	Yarmouth, N.S.	15 00
3413	" 9..	Amos Sabeau	"	Port Medway, N.S.....	"	15 00
3414	" 19..	Louis A. Moore.....	"	North Sydney, N.S.....	Sydney, N.S....	15 00
3415	" 27..	Roger Stehelin.....	Mate.....	Weymouth, N.S.....	Yarmouth, N.S.	6 00
3416	" 27..	Peter L. Calder.....	Master.....	Fort Francis, Ont	Fort Francis, O.	15 00
3417	" 27..	John Hunt.....	"	Nepigon, Ont.....	Port Arthur, O..	15 00
3418	" 27..	Duncan Fraser.....	"	Fort Francis, Ont.....	Fort Francis, O.	15 00

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LIST of Certificates of Competency granted to Masters and Mates of INLAND and
COASTING VESSELS, &c.—*Continued.*

Number of Certificate.	Date of Certificate	Name.	Grade.	Address.	Where Examination was passed.	Fee.
	1901.					\$ cts.
3419	Aug. 27..	R. Chamberlain.....	Master.....	Mount Pleasant, B.C....	Vancouver, B.C.	15 00
3420	" 27..	H. Dignault	Mate.	Melocheville, P.Q.....	Kingston, Ont..	6 00
3421	" 27..	Henry Gagnon.....	Master.....	Murray Bay, P.Q.....	Quebec, P.Q....	15 00
3422	" 27..	Alex. Clark.....	"	Salmon Point, P.Q.....	Kingston, Ont..	6 00
3423	" 27..	Samuel Forrest.....	"	Fort William, Ont	Port Arthur, O..	15 00
3424	" 27..	Angus Morrison.....	"	Port Arthur, Ont.....	"	15 00
3425	" 27..	Wm. E. Gasner.....	"	Belle Isle, N.S.....	Yarmouth, N.S.	15 00
3426	" 27..	Edgar E. Sanford	"	Summerville, N.S.....	"	15 00
3427	" 27..	P. Villeneuve.....	"	Rat Portage, Ont.....	Rat Portage, O..	15 00
3428	" 27..	J. Cournoyer.....	"	Sorel, Que	Quebec, Que....	15 00
3429	" 27..	F. B. Ely.....	"	Warton, Ont.....	St. Catharines, O	15 00
3430	" 27..	Felix P. Graveline.....	"	Amherstburg, Ont.....	"	15 00
3431	" 27..	Pierre Millette.....	"	Sorel, Que.....	Quebec, Que....	15 00
3432	" 27..	Nathan A. Beach.....	Master's per	Rock Island, Que.....	Ottawa, Ont....	5 00
3433	" 27..	George Poole.....	"	Poole's Resort, Ont.	Kingston, Ont..	5 00
3434	" 27..	John S. Rafuse.....	"	Conquerah, N.S.....	Lunenburg, N.S.	15 00
3435	Sept. 17..	Thos. R. Hull.....	" per.	Clarina, Ont.....	Ottawa, Ont....	5 00
3436	" 17..	John D. Watson.....	"	New Westminster, B.C..	N. Westminster.	15 00
3437	" 17..	M. McDonald.....	"	Goderich, Ont	Kingston, Ont..	15 00
3438	" 17..	Pitre Tremblay.....	"	Malbaie, Que	Quebec, Que. .	15 00
3439	" 17..	Douglas Clark.....	"	Como, Que.....	Ottawa, Ont....	15 00
3440	" 17..	Alderick Latour.....	Mate.....	St. Ignace, Que.....	Quebec, Que ...	6 00
3441	" 17..	Howard S. Arenbury.....	"	Petite Rivière, N.S.	Halifax, N.S....	6 00
3442	" 17..	Wilson Smith.....	Master.....	New Carlisle, Que.....	"	15 00
3443	" 23..	James F. Smith.....	"	Kingston, Ont.....	Ottawa, Ont....	15 00
3444	" 23..	Richard Cluston	"	Derby, N.B.	New Castle, N.B	15 00
3445	" 24..	Robt D. Reynolds.....	"	Annapolis, N. S.....	Yarmouth, N.S.	15 00
3446	" 27..	S. Shipman.	"	Richard's Landing Ont..	St. Catharines, O	15 00
3447	" 27..	Peter Campbell.....	"	Gravenhurst, Ont	"	15 00
3448	" 27..	John F. Williams	"	Beach Point, P.E.I.....	Yarmouth, N.S.	15 00
3449	Oct. 2..	Robert J. Armstrong.....	Mate	Victoria, B.C....	Victoria, B.C....	6 00
3450	" 2..	W. McFarland.....	"	Nelson, B.C.....	"	6 00
3451	" 2..	J. E. Bodwell	"	Yarmouth, N.S.....	Yarmouth, N.S.	6 00
3452	" 2..	Melvin Hagan.....	Master.....	Rockport, N.B.....	"	15 00
3453	" 2..	David Caddell.....	"	New Westminster, B.C..	N. Westminster.	15 00
	1902.					
3454	Mar. 21..	Arch'd Fomestall.....	Mate.....	Mulgrave, N. S.....	Sydney, N.S....	6 00
	1901.					
3455	Oct. 4..	Peter Haines.....	"	Cornwall, Ont	Ottawa, Ont....	6 00
3456	" 4..	Wm. M. F. McGregor.....	Master.....	Windsor, Ont.....	St. Catharines, O	15 00
3457	" 4..	Chas. L. D. Sims.....	"	Little Current, Ont.....	"	15 00
3458	" 4..	W. H. Peacock.....	"	Port Hope, Ont.....	"	15 00
3459	" 4..	John C. Brown.....	"	St. John, N.B.....	Yarmouth, N.S.	15 00
3460	" 7..	F. E. Hall.....	Mate.	L'Orignal, Ont	Kingston, Ont..	6 00
3461	" 7..	George T. Dobson.....	Master.....	Southampton, Ont.....	"	15 00
3462	" 7..	G. F. Holmes.....	"	Victoria, B. C.....	Victoria, B.C....	15 00
3463	" 7..	Ang. Haycock.....	"	Westport, N.S.....	Yarmouth, N.S.	15 00
3464	" 9..	Sydney Smith.....	"	Little Current, Ont.	St. Catharines, O	15 00
3465	" 9..	Vincent T. Comeau.....	"	Meteghan, N.S	Yarmouth, N.S.	15 00
3466	" 9..	John Hastie.....	"	Sheguindah, Algoma, O.	St. Catharines, O	15 00
3467	" 9..	James Dustan	Mate.....	Toronto, Ont.	"	6 00
3468	" 10..	Geo. E. Finley.....	Master.....	St. John, N.B	Yarmouth, N.S.	15 00
3469	" 10..	Wm. John Wilson.....	" per.	Isherwood, Ont.....	Fort Frances, O.	5 00
3470	" 10..	N. Simoneau.....	"	Kiskisink, Que.....	Quebec, Que....	5 00
3471	" 24..	Frank Peterson.....	"	Rat Portage, Ont.....	Rat Portage, Ont	15 00
3472	" 24..	A. M. Fraser.....	"	New Westminster, B.C..	N. Westminster.	15 00
3473	" 24..	F. W. Foreshow	"	Little Current, Ont.....	St. Catharines, O	15 00
3474	" 24..	R. Keating	"	Port Mulgrave, N.S.....	Sydney, N.S....	15 00
3475	" 24..	A. Baillargeon.....	"	Windsor, Ont.....	St. Catharines, O	15 00
3476	" 24..	T. J. Stockwell.....	"	Leamington, Ont.....	Kingston, Ont..	15 00
3477	" 24..	Carl A. Karlson.....	Mate.....	Toronto, Ont.....	"	6 00
3478	" 29..	R. N. Sanders.....	"	Goderich, Ont	St. Catharines, O	6 00
3479	" 29..	Roy W. Troop.....	Master.....	Arrowhead, B.C.....	Victoria, B.C....	15 00
3480	" 29..	F. T. Roberts	Mate.....	Victoria, B.C.....	"	6 00

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List of Certificates of Competency granted to Masters and Mates of INLAND and COASTING VESSELS, &c.—Continued.

Number of Certificate.	Date of Certificate	Name.	Grade.	Address.	Where Examination passed.	Fee.
	1901.					\$ cts.
3481	Oct. 29..	John A. O'Brien.....	Master.....	Vancouver, B.C.....	Vancouver, B.C.	15 00
3482	" 29..	John Manns.	Mate.....	Nelson, B.C.....	Victoria, B.C....	6 00
3483	" 29..	Chas. Toupin.....	".....	Hamilton, Ont.....	St. Catharines, O	6 00
3484	" 29..	R. S. Misener.....	Master.....	Sarnia, Ont.....	" "	15 00
3485	Nov. 4..	Arthur P. McKeil.....	".....	St. John, N.B.....	St. John, N.B..	15 00
3486	" 4..	Geo. E. Keyes.....	Mate.....	Wolfe Island.....	Kingston, Ont..	6 00
3487	" 4..	W. E. Johnson.....	Master.....	Middleton, N.S.....	Yarmouth, N.S.	15 00
3488	" 4..	Geo. H. McKenzie.....	".....	Little Current, Ont.....	St. Catharines, O	15 00
3489	" 4..	Alden H. Peck.....	".....	Hopewell, Albert Co., N.B.	Yarmouth, N.S.	15 00
3490	" 4..	L. A. Roonkey.....	".....	Lower LaHave, N.S.....	Lunenburg, N.S.	15 00
3491	" 4..	Percy T. Roberts.....	".....	Beaver Mills, Ont.....	Rat Portage, Ont	15 00
3492	" 7..	Frank Barkhouse.....	".....	Kingsport, N.S.....	Yarmouth, N.S.	15 00
3493	" 7..	J. Lacouture.....	Mate.....	St. Ours, Que.....	Quebec, Que....	6 00
3494	Nov. 7..	L. H. Lapierre.....	Master.....	Levis, P.Q.....	Quebec, P.Q.....	15 00
3495	" 7..	G. Macumber.....	".....	Cheverie, N.S.....	Yarmouth, N.S.	15 00
3496	" 7..	E. C. Tripp.....	".....	Mine Center, Ont.....	Mine Center, O.	5 00
3497	" 7..	Frank J. Hill.....	Mate.....	Collingwood, Ont.....	St. Catharines, O	6 00
3498	" 7..	W. A. Inness.....	Master.....	Liverpool, N.S.....	Yarmouth, N.S.	15 00
3499	" 14..	Saml. James Newman.....	".....	Kingston, Ont.....	Kingston, Ont..	15 00
3500	" 14..	James S. Bonar.....	".....	Cornwall, Ont.....	"	15 00
3501	" 20..	George Roberts.....	Mate.....	Victoria, B.C.....	Victoria, B.C....	6 00
3502	" 21..	W. J. McDonald.....	Master.....	Pilot Bay, B.C.....	"	15 00
3503	" 22..	Geo. T. Annett.....	".....	Peninsula, Gaspe, P.Q.	Quebec, P.Q.....	15 00
3504	" 27..	Asher Knowlton.....	Mate.....	Parrsboro, N.S.....	Yarmouth, N.S.	6 00
3505	Dec. 6..	D. M. McDonald.....	Master.....	Big Bras d'Or, N.S.....	Sydney, N.S....	15 00
3506	" 6..	James T. O'Neil.....	".....	Port Medway, N.S.....	Yarmouth, N.S.	15 00
3507	" 7..	S. R. Seifert.....	Mate.....	Barbadoes, W.I.....	"	16 00
3508	" 7..	M. Barsette.....	Master.....	Windsor, Ont.....	St. Catharines, O	15 00
3509	" 9..	Geo. Lawrence.....	".....	Warton, Ont.....	"	15 00
3510	" 16..	Danl. Martin.....	".....	Nanaimo, B.C.....	Victoria, B.C....	15 00
3511	" 16..	John Larimore.....	Mate.....	Nakusp, B.C.....	"	6 00
3512	" 17..	J. McDonald.....	Master.....	Gabarouse, N.S.....	Sydney, N.S....	15 00
3513	" 17..	A. Lafleche.....	".....	St. Jean d'Iberville, P.Q.	Quebec, P.Q....	15 00
3514	" 17..	W. W. Cabot.....	Mate.....	Grand River, P.Q.....	"	6 00
3515	" 17..	Archie McKinnon.....	".....	Owen Sound, Ont.....	St. Catharines, O	6 00
3516	" 26..	W. Calder.....	".....	Vancouver, B.C.....	Vancouver, B.C.	6 00
3517	" 26..	T. F. Bellmore.....	Master.....	North Sydney, N.S.....	Sydney, N.S....	15 00
3518	" 26..	M. Palmateur.....	Mate.....	Pictou, Ont.....	Kingston, Ont..	6 00
3519	" 26..	Aurele Chabot.....	".....	St. Michael de Belle-chasse, P.Q.....	Quebec, P.Q....	6 00
3520	" 26..	John Lauder.....	".....	Deer Park, Ont.....	Kingston, Ont..	6 00
3521	" 26..	Danl. L. Rafuse.....	Master.....	Bridgewater, N.S.....	Yarmouth, N.S.	15 00
3522	Jan. 3..	Simon A. Wilband.....	".....	Vancouver, B.C.....	Vancouver, B.C.	15 00
3523	" 9..	Joshua Whittle.....	".....	Charlottetown, P.E.I....	Sydney, C.B....	15 00
3524	" 10..	Percival Nye.....	Mate.....	Vancouver, B.C.....	Vancouver, B.C.	6 00
3525	" 10..	Wm. Hunter.....	Master.....	Sarnia, Ont.....	St. Catharines, O	15 00
3526	" 11..	John A. McIntosh.....	".....	French River, Ont.....	"	15 00
3527	" 11..	R. X. Giroux.....	".....	Sarnia, Ont.....	St. Catharines, O	15 00
3528	" 21..	L. E. Donnelly.....	".....	Kingston, Ont.....	Kingston, Ont..	15 00
3529	" 21..	M. Matheson.....	".....	New Westminster, B.C..	N. Westminster.	15 00
3530	" 21..	George Gray.....	".....	Vancouver, B.C.....	Victoria, B.C....	15 00
3531	" 21..	James T. Aikman.....	".....	Montreal, P.Q.....	Kingston, Ont..	15 00
3532	" 22..	— Anderson.....	".....	Victoria, B.C.....	Victoria, B.C....	15 00
3533	" 23..	John Richardson.....	Mate.....	Victoria, B.C.....	"	6 00
3534	" 23..	R. P. Roberts.....	Master.....	Chemainas, B.C.....	"	15 00
3535	" 29..	S. J. Carson.....	Mate.....	Collingwood, Ont.....	St. Catharines, O	6 00
3536	" 29..	A. M. Fisher.....	Master.....	Louisburg, N.S.....	Sydney, N.S....	15 00
3537	" 29..	Z. E. Porter.....	Mate.....	The Wedge, N.S.....	Yarmouth, N.S.	6 00
3538	" 29..	Chas. F. Baker.....	".....	Nattawa, Ont.....	St. Catharines, O	6 00
3539	" 29..	F. H. Reid.....	Master.....	Fort Langley, B.C.....	Vancouver, B.C.	15 00
3540	" 29..	James Bartlett.....	".....	Vancouver, B.C.....	"	15 00
3541	Feb. 3..	H. F. Spinney.....	Mate.....	Yarmouth, N.S.....	Yarmouth, N.S.	6 00
3542	" 3..	John Barbarie.....	Master.....	Vancouver, B.C.....	Vancouver, B.C.	15 00
3543	" 4..	M. McL. Holby.....	".....	Indiantown, St. John, N.B.	Fredericton, N.B.	15 00
3544	" 4..	W. A. Lavigne.....	Mate.....	Midland, Ont.....	St. Catharines, O	6 00
3545	" 11..	James Woolner.....	".....	Collingwood, Ont.....	"	6 00

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LIST of Certificates of Competency granted to Masters and Mates of INLAND and
COASTING VESSELS, &c.—*Continued.*

Number of Certificate.	Date of Certificate	Name.	Grade.	Address.	Where Examination was passed.	Fee.
	1902.					\$ cts.
3546	Feb. 11..	L. R. Firth.....	Mate.	Jordan Ferry, N.S.	Yarmouth, N.S.	6 00
3547	" 11..	Robt. Fenton	Master.	New Westminster, B.C.	N. Westminster.	15 00
3548	" 11..	Michael Martin.....	Mate.	Vancouver, B.C.	Vancouver, B.C.	6 00
3549	" 14..	Geo. H. Perry.....	Master.	St. John, N.B.	Yarmouth, N.S.	15 00
3550	" 14..	Edmund Hicks.....	Mate.	Vancouver, B.C.	Vancouver, B.C.	6 00
3551	" 14..	Chas. A. Strong.....	Master.	Port Elgin, Ont.	St. Catharines, O	15 00
3552	" 14..	Eugene McMullen..	Mate.	New Westminster, B.C.	Vancouver, B.C.	6 00
3553	" 14..	H. A. Young	"	Vancouver, B.C.	"	6 00
3554	" 14..	Robt. Nicoll.	Master.	Collingwood, Ont....	St. Catharines, O	15 00
3555	" 14..	M. F. Griffith	Mate.	Gore Bay, Manitoulin, Ont....	Spanish River, O	6 00
3556	" 14..	John A. McDonald.....	"	Kaslo, B.C.	Nelson, B.C.	6 00
3557	" 14..	Wm. H. Houghton.....	"	Slocan City, B.C.	"	6 00
3558	" 14..	Wm. Anderson.....	"	Kaslo, B.C.	"	6 00
3559	" 14..	A. J. Harris.....	"	Vancouver, B.C.	Vancouver, B.C.	6 00
3560	" 14..	Robt. K. Turner	"	Victoria, B.C.	Victoria, B.C.	6 00
3561	" 14..	S. Carson	Master.	Collingwood, Ont....	St. Catharines, O	15 00
3562	Mar. 1..	E. Hollingshead	Mate.	"	"	6 00
3563	" 1..	Geo. A. Patton.....	"	"	"	6 00
3564	" 1..	M. Parks.....	Master.	Getson's Point, N.S.	Lunenburg, N.S.	15 00
3565	" 1..	John McLeod	Mate	Slocan, B.C.	Nelson, B.C.	6 00
3566	" 1..	St. C. Geldert	Master.	Lunenburg, N.S.	Lunenburg, N.S.	15 00
3567	" 1..	F. C. Strafford	"	Victoria, B.C.	Victoria, B.C.	15 00
3568	" 1..	Dosite Doucette.....	"	Mavillette, Digby, N.S.	Yarmouth, N.S.	15 00
3569	" 1..	C. E. Cummings	"	Kingston, Ont.	Kingston, Ont....	15 00
3570	" 1..	A. Gilchrist	Mate. ..	Owen Sound, Ont.	St. Catharines, O	6 00
3571	" 1..	A. A. King	Master.	Chatham, N.B.	Sydney, N.S.	15 00
3572	" 1..	Robert Parsons.....	"	Bracebridge, Ont	St. Catharines, O	15 00
3573	" 1..	John J. Fitzgerald	"	Georgetown, P.E.I.	Sydney, N.S.	15 00
3574	" 1..	Robert Donaldson.....	Mate	Victoria, B.C.	Victoria, B.C.	6 00
3575	" 1..	James Hirtle	Master..	Lunenburg, N.S.	Lunenburg, N.S.	15 00
3576	" 1..	W. T. Eastman	"	North Sydney, N.S.	Sydney, N.S.	15 00
3577	" 1..	M. H. Grose.	Mate	Bruce Mines, Ont.	St Catharines, O	6 00
3578	" 4..	L. Mongeon	Master.	Buckingham, P.Q.	Ottawa, Ont....	15 00
3579	" 7..	John McD. Millar.....	Mate	Vancouver, B.C.	Vancouver, B.C.	6 00
3580	" 11..	Edgar Pelletier.....	"	L'Islet, Que	Quebec, Que....	6 00
3581	" 17..	M. G. Mosher	Master.	Lot Forty, P.E.I.	Sydney, N.S.	15 00
3582	" 17..	W. H. Daggritt	Mate	Collingwood, Ont....	St. Catharines, O	6 00
3583	" 17..	John F. Williams	Master.	Carter's Point, N.B.	St. John, N.B. ..	15 00
3584	" 17..	Bryan Sweeney	Mate	Yarmouth, N.S.	Yarmouth, N.S.	6 00
3585	" 17..	Chas. W. Baird	Master.	Windsor, N.S.	"	15 00
3586	" 17..	Daniel A. Rucker	"	St. John, N.B.	St. John, N.B. ..	15 00
3587	" 17..	John Day	"	Liverpool, N.S.	Yarmouth, N.S.	15 00
3588	" 17..	Saml. Beecher	"	Penetanguishene, Ont...	St. Catharines, O	15 00
3589	" 17..	Murdock McLeod.....	"	Selkirk, Man.	Rat Portage, O..	15 00
3590	" 17..	Geo. A. LaRush....	"	Little Current, Ont	St. Catharines, O	15 00
3591	" 17..	Embert Zwicker.....	Mate	Summierville, N.S.	Halifax, N.S.	6 00
3592	" 17..	Jeremiah C. Shaw	"	Victoria, B.C.	Victoria, B.C.	6 00
3593	" 17..	James E. George	Master.	Parrsboro, N.S.	St. John, N.B. ..	15 00
3594	" 17..	John B. Mercier	"	Bienville, Levis, Que ..	Quebec, Que....	15 00
3595	" 17..	Roderick McLeod	"	Westbourne, Man.....	Rat Portage, Ont	15 00
3596	" 17..	Robt. Gray	Mate	Barriefield, Ont.....	Kingston, Ont..	6 00
3597	" 17..	H. V. Butler	Master.	St. John, N.B.	St. John, N.B. ..	15 00
3598	" 19..	Nap. Gagnon.....	Mate	Bienville, Que	Quebec, Que....	15 00
3599	" 19..	Wm. Thos. King	Master..	North Sydney, N.S.	Sydney, N.S.	15 00
3600	" 19..	Daniel Campbell	"	Big Bras d'Or, N.S.	"	15 00
3601	" 19..	Anker de Nully	Mate	Lunenburg, N.S.	Lunenburg, N.S.	8 00
3602	" 19..	Stannage Creaser	Master.	Lower La Have.....	"	15 00
3603	" 19..	Arthur W. Hickey	Mate	North Sydney, N.S.	Sydney, N.S.	16 00
3604	" 19..	Joseph P. Brophy.....	"	Mulgrave, N.S.	"	6 00
3605	" 21..	John Cartier	Master..	Aylmer, Que.....	Ottawa, Ont....	15 00
3606	" 21..	Archie McIntyre	"	Presque Isle, Ont	Kingston, Ont..	15 00
3607	" 21..	Abram G. Smith	Mate	Quyon, Que.....	Ottawa, Ont....	6 00
3608	April 1..	John S. Smith	Master.	Lower La Have, N.S.	Lunenburg, N.S.	15 00
3609	" 1..	Victorian Belanger..	Mate	Lotbiniere, Que.....	Quebec, Que....	6 00
3610	" 1..	Thos. Geo. Garcin.....	Master.	Charlottetown, P.E.I.	Sydney, N.S.	15 00

SESSIONAL PAPER No. 23

LIST of Certificates of Competency granted to Masters and Mates of INLAND and COASTING VESSELS, &c.—Continued.

Number of Certificate.	Date of Certificate	Name.	Grade.	Address.	Where Examination was passed.	Fee.
	1902.					\$ cts.
3611	April 1.	John Stevens.....	Master.....	Vancouver, B.C.....	Vancouver, B.C.	15 00
3612	" 1.	Thos. Frenette	"	Portneuf, Que	Quebec, Que....	15 00
3613	" 1.	Wm. Mackin.	"	Penetanguishene, Ont...	St. Catharines, O	15 00
3614	" 1.	Frank Bensette	"	Windsor, Ont	"	15 00
3615	" 1.	Chas. E. Butcher.....	"	Bathurst, N.B.....	St. John, N.B..	15 00
3616	" 9.	W. J. McKay	Mate.....	Owen Sound, Ont.....	Kingston, Ont..	6 00
3617	" 9.	Ole Hansen	Master.....	Parry Sound, Ont	St. Catharines, O	15 00
3618	" 9.	Oliver Belliveau.....	"	Belliveau's Cove, N.S	Yarmouth, N.S.	15 00
3619	" 9.	C. W. Brisbin.....	Mate.....	Deseronto, Ont	Kingston, Ont..	6 00
3620	" 9.	D. C. McLachlan	"	Parkhill, Ont	St. Catharines, O	6 00
3621	" 14.	E. W. Hickey.....	Master.....	North Sydney, C.B.....	Sydney, N.S....	15 00
3622	" 14.	James Ivany	Mate.....	Vancouver, B.C.....	Vancouver, B.C.	6 00
3623	" 14.	J. E. Brossard	"	Longueuil, Que	Ottawa, Ont....	6 00
3624	" 14.	Charles Cook.....	"	Victoria, B.C.....	Vancouver, B.C.	6 00
3625	" 14.	E. Levesque	Master.....	Chicoutimi, Que	Quebec, Que....	15 00
3626	" 16.	John McDowell.....	Mate.....	Vancouver, B.C.....	Vancouver, B.C.	.....
3627	" 16.	F. K. Harvey.....	Master.....	Summerville, N.S.	Yarmouth, N.S.	15 00
3628	" 19.	R. Stehelin.....	"	Weymouth, N.S.....	"	15 00
3629	" 22.	Simon Smith.....	"	Ritcey's Cove, N.S	Lunenburg, N.S	15 00
3630	" 16.	J. Bolodeau.....	"	Berthier en bas, P.Q....	Quebec, P.Q....	15 00
3631	" 17.	Hector Bherer.....	Mate.....	Malbaie, P.Q.....	"	6 00
3632	" 17.	L. H. Chaperon.....	Master.....	Murray Bay, P.Q.	"	15 00
3633	" 17.	A. C. Good.....	"	Vancouver, B.C.....	Vancouver, B.C.	15 00
3634	" 17.	D. Patterson.....	Mate.....	New Westminster, B.C..	Victoria, B.C...	6 00
3635	" 17.	J. Welsh.....	"	Victoria, B.C.....	"	6 00
3636	" 19.	H. Cadeaux	Master..	Rigaud, P.Q.....	Ottawa, Ont....	15 00
3637	" 19.	J. De Villers.....	"	Lotbinière, P.Q.....	Quebec, P.Q....	15 00
3638	" 19.	W. C. Gidley.....	"	Penetanguishene, Ont...	St. Catharines, O	15 00
3639	" 19.	Wm. Davis.....	"	Charlottetown, P.E.I....	Sydney, N.S....	15 00
3640	" 19.	J. R. Carr.....	"	Sarnia, Ont.....	St. Catharines, O	15 00
3641	" 19.	Henry Anderson.....	"	Vancouver, B.C.....	Vancouver, B.C.	15 00
3642	" 22.	O. J. Dix	Mate.....	Kingston, Ont.....	Kingston, Ont..	6 00
3643	" 22.	A. L. Lizard.....	Master.....	Penetanguishene, Ont...	St. Catharines, O	15 00
3644	" 23.	Jos. Campeau	Mate.....	Garden Island, Ont.....	Kingston, Ont..	6 00
3645	" 23.	John Linloff.....	Master.....	Halifax, N.S.....	Halifax, N.S....	15 00
3646	" 23.	Lawrence King.....	"	Thessalon, Ont.....	St. Catharines, O	15 00
3647	" 23.	Wm. Brian.....	Mate.....	Garden Island, Ont.....	Kingston, Ont..	6 00
3648	" 23.	T. Blundell.....	Master.....	Dalhousie, N.B.....	Dalhousie, N.B.	15 00
3649	" 23.	M. McIver.....	"	Vancouver, B.C.....	N. Westminster.	15 00
3650	" 23.	Walter Kerr.....	"	Sydney, C.B..	Sydney, N.S....	15 00
3651	" 23.	Wm. Cook.....	"	Ritcey's Cove, N.S.....	Lunenburg, N.S.	15 00
3652	" 23.	R. R. Rutherford.....	"	Warton, Ont.....	St. Catharines, O	15 00
3653	" 23.	Robt. P. Green.....	"	Manitoulin Island, Ont..	Spanish River, O	15 00
3654	" 29.	Wm. Avery.....	"	Chatham, N.B.....	Chatham, N.B..	15 00
3655	" 29.	Marin O. Porter.....	"	Tusket Wedge, N.S....	Yarmouth, N.S.	15 00
3656	" 30.	John Egan, jr.....	"	Killarney, Ont.....	St. Catharines, O	15 00
3657	" 30.	John Stickland.....	"	North Sydney, N.S.....	Sydney, N.S....	15 00
3658	" 30.	B. M. Jorgensen.....	"	Vancouver, B.C.....	Vancouver, B.C.	15 00
3659	May 1.	D. P. Lewis.....	"	Freeport, N.S.....	Yarmouth, N.S.	15 00
3660	" 1.	Thos. Cunningham.....	Mate.....	Toronto, Ont.....	St. Catharines, O	6 00
3661	" 1.	Walter Fowler.....	Master.....	Port Carling, Ont.....	"	15 00
3662	" 1.	W. C. LeBlanc.....	"	Arichat, N.S.....	Sydney, N.S....	15 00
3663	" 1.	E. L. Sullivan.....	"	Dawson, Y.T.....	Victoria, B.C...	15 00
3664	" 2.	C. Deneau.....	"	StThomasdeBienv'le,P.Q	Sorel, P.Q....	15 00
3665	" 5.	F. Lawrence.....	Mate.....	Kingston, Ont	Kingston, Ont..	6 00
3666	" 5.	C. Duffy.....	Master.....	St. Mary's, N.B.....	Fredericton, N.B	15 00
3667	" 6.	D. MacKenzie.....	"	Victoria, B.C.....	Victoria, B.C...	15 00
3668	" 14.	Pierre Chevrier.....	"	St.Joseph de Sorel, P.Q.	Quebec, P.Q....	15 00
3669	" 14.	H. N. Trueman.....	"	Vancouver, B.C.....	Vancouver, B.C.	15 00
3670	" 14.	J. D. McLean.....	"	The Range, Queen's, N.B	Fredericton, N.B	15 00
3671	" 14.	James Johnson.....	"	Annapolis, N.S.....	Yarmouth, N.S.	15 00
3672	" 14.	J. S. Arnold.....	Mate.....	Dartmouth, N. S.....	Halifax, N.S....	8 00
3673	" 14.	A. L. Morrison.....	Master.....	Rat Portage, Ont.....	Rat Portage, O..	15 00
3674	" 14.	P. Hicks.....	"	Ottawa, Ont.....	Ottawa, Ont....	15 00
3675	" 16.	S. Rafu-e.....	"	LaHave, N.S.....	Yarmouth, N.S.	15 00
3676	" 16.	B. McMillan.....	"	Isaac's Harbour, N.S....	Halifax, N.S....	15 00

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LIST of Certificates of Competency granted to Masters and Mates of INLAND and
COASTING VESSELS, &c.—*Concluded.*

Number of Certificate.	Date of Certificate	Name.	Grade.	Address.	Where Examination was passed.	Fee.
	1902.					\$ c.
3677	May 16..	S. McCaig.....	Mate.....	Toronto, Ont.....	St. Catharines, O	6 00
3678	" 16..	W. J. Monkhouse...	"	Providence Bay, Ont....	Spanish River, O	15 00
3679	" 19..	J. A. Gardner.....	"	New Westminster, B.C..	Victoria, B.C....	6 00
3680	" 19..	Stanley Fraser.....	Master.....	Victoria, B.C.....	"	15 00
3681	" 21..	N. Chevrier.....	"	Montreal, Que.....	Ottawa, Ont	15 00
3682	" 21..	J. Seguin.....	"	Hudson Heights, Que....	"	15 00
3683	" 21..	Pierre Aussant.....	"	St. Joseph de Sorel, Que.	"	15 00
3684	" 19..	J. F. Kinley.. ..	"	Lunenburg, N.S.....	Lunenburg, N.S.	15 00
3685	" 19..	John McDonald.....	"	Mulgrave, N.S.....	Sydney, N.S.....	15 00
3686	" 19..	B. A. Bongard.....	Mate.....	Pictou, Ont.....	Kingston, Ont..	6 00
3687	" 19..	George Cross.....	"	Hamilton, Ont.....	St. Catharines, O	6 00
3688	" 19..	W. G. Smith.....	Master.....	Little Current, Ont.....	"	15 00
3689	" 23..	C. B. Kirk.....	"	Norwood, Ont	Kingston, Ont..	15 00
3690	" 23..	Gordon Ayre.....	Mate.....	Brockville, Ont.....	"	6 00
3691	" 23..	G. L. Barry.....	Master.....	Advocate Harbour, N.S.	Yarmouth, N.S.	15 00
3692	" 26..	H. Robertson	Mate.....	Sydney Forks, N.S.....	Sydney, N.S.....	6 00
3693	" 26..	Spurgeon Amos	"	Lower Derby, N.B..	St. John, N.B..	6 00
3694	" 26..	C. S. Boucher.....	Master.....	Chatham, N.B	"	15 00
3695	" 26..	R. G. Evans	"	Victoria, B.C.....	Victoria, B.C....	15 00
3696	" 27..	Eber Sarty.. ..	"	Pleasantville, N.S.....	Yarmouth, N.S.	15 00
3697	" 27..	Wm. Snow	"	Digby, N.S	"	15 00
3698	" 29..	A. W. Pierson	Mate.....	Toronto, Ont	Kingston, Ont..	6 00
3699	" 30..	J. A. Bouchard	Master.....	St. Rochs, Que	Quebec, Que....	15 00
3700	" 31..	J. D. Hill.....	"	Midland, Ont.....	St. Catharines, O	15 00
3701	" 31..	A. Lemieux.....	"	St. Thomas, Que.....	Quebec, Que	15 00
3702	June 3..	John Courson	"	Hamilton, Ont	Kingston, Ont..	15 00
3703	" 3..	A. Cornwall.....	Mate.....	Lunenburg, N.S.....	Lunenburg, N.S.	6 00
3704	" 3..	J. Cavanagh.....	Master.....	Port Dalhousie, Ont....	St. Catharines, O	15 00
3705	" 3..	Chas. S. Mickle	"	Gravenhurst, Ont.....	"	15 00
3706	" 3..	J. H. Webb.....	Mate.....	Liscomb, N.S.....	Quebec, Que	6 00
3707	" 4..	Edward Delaney	Master.....	Quebec, Que.....	"	15 00
3708	" 7..	Anton A. Klaveness.....	Mate.....	Vancouver, B.C.....	Vancouver, B.C.	15 00
3709	" 13..	Smith G. Penney	Master.....	Cape Sable Island, N.S..	Yarmouth, N.S.	15 00
3710	" 13..	Robt. Hall.....	"	Winnipeg, Man	Winnipeg, Man.	15 00
3711	" 13..	Frederick Thulin.....	"	Lund, B.C	Vancouver, B.C.	15 00
3712	" 13..	W. K. Ross	"	Upper Port La Tour, N.S.	Yarmouth, N.S.	15 00
3713	" 13..	M. Allison.....	"	Dog Hill, Que	Quebec, Que	15 00
3714	" 13..	F. L. Harvie.....	"	Kempt Shore, N.S	Yarmouth, N.S.	15 00
3715	" 13..	A. H. Alsson	"	Victoria, B.C	Victoria, B.C....	15 00
3716	" 13..	Chas. Price	Mate.....	Port Simpson, B.C	"	6 00
3717	" 13..	C. J. Thompson.....	Master.....	Chatham, N.B.....	New Castle, N.B	15 00
3718	" 14..	H. H. Murray	"	North Sydney, C.B....	Sydney, C.B.....	15 00
3719	" 14..	John T. Curtis	"	"	"	15 00
3720	" 17..	A. Marchildon	" permit	Sturgeon Falls, Ont	Ottawa, Ont.....	5 00
3721	" 17..	W. Cook	"	Grenville, Que	"	5 00
3722	" 17..	J. Hurley.....	"	Kingston, Ont.....	Kingston, Ont..	15 00
3723	" 17..	John A. Roys.....	"	"	"	15 00
3724	" 17..	A. S. Allen	Mate.....	Kelley's Cove, N.S.....	Yarmouth, N.S.	6 00
3725	" 17..	G. H. Eldridge.....	"	Yarmouth, N.S.....	"	6 00
3726	" 19..	G. D. Murphy	Master.....	Sunbury Co., N.B.....	Fredericton, N.B	15 00
3727	" 19..	D. Dovey.....	"	Lindsay, Ont.....	Kingston, Ont..	15 00
3728	" 23..	P. J. Bibby.....	Mate.....	Gravenhurst, Ont. ..	St. Catharines, O	6 00
3729	" 23..	John Fleming.....	Master.....	Mortimer's Point, Ont...	"	15 00
3730	" 23..	Ernest Wills.....	"	Halifax, N.S.....	Sydney, C.B....	15 00
3731	" 23..	Caleb Hare.....	"	North Sydney, C.B	"	15 00
3732	" 27..	Omer Mireault.....	" permit	Dryden, Ont	Dryden, Ont.....	5 00
3733	" 27..	J. H. Gunter.....	Master.....	Upper Jemseg, N.B.....	Fredericton, N.B	15 00
3734	" 27..	F. W. Court.....	"	Richard's Landing, Ont.	St. Catharines, O	15 00

SESSIONAL PAPER No. 23

LIST of Certificates of Competency granted to Masters and Mates of FOREIGN SEA-GOING VESSELS during the year ended June 30, 1902.

Number of Certificate.	Date of Certificate	Name.	Grade.	Address.	Where Examination was passed.	Fee.
	1901.					\$ cts.
3432	Aug. 9..	Robt. Walter Shears.....	Master.....	Victoria, B.C.....	Victoria, B.C...	15 00
3433	" 27..	George E. Murray.....	Mate.....	Cardiff, Wales	"	8 00
3434	Sept. 17..	Edmund McCarthy.....	"	Halifax, N.S.....	Halifax, N.S...	8 00
3435	" 17..	A. Richardson.....	"	Quebec, Que.....	"	8 00
3436	" 17..	C. M. Gladwin.....	2nd Mate...	Mid. Musquodoboit, N.S.	"	8 00
3437	" 17..	Wilson Smith.....	"	New Carlisle, Que.....	"	8 00
3438	" 17..	J. Williamson	"	Whiteness, Shetland....	"	8 00
3439	" 27..	R. V. Bennett	Master.....	Hopewell Cape, N.B ..	St. John, N.B..	15 00
3440	Oct. 2..	Thos. F. Morrison.....	"	Londonderry, N.S.....	Yarmouth, N.S.	15 00
3441	" 2..	Angus J. MacDonald.....	"	Pinnette, P.E.I.....	St. John, N.B..	15 00
3442	" 2..	Chas. B. Fenton	"	Auckland, N.Z.....	"	15 00
3443	" 9..	Henry D. Hooley	"	Vancouver, B.C.....	Vancouver, B.C.	15 00
3444	" 9..	Wm. Gray.....	2nd Mate...	Carnforth, Eng.....	Victoria, B.C...	8 00
3445	" 31..	Laurence Smith.....	"	South Shields.....	Yarmouth, N.S.	8 00
3446	Nov. 7..	L. M. Hatfield.....	"	Arcadia, N.S.....	"	8 00
3447	Dec. 6..	T. R. Serfert.....	"	Bridgetown, W.I.....	"	8 00
3448	" 26..	John Vaughan.....	"	Walton, N.S.....	"	8 00
3449	" 30..	Danl. L. Rafuse.....	"	Bridgewater, N.S.....	"	8 00
	1902.					
3450	Jan. 10..	Clifton Smith	"	New Carlisle, P.Q	Halifax, N.S...	8 00
3451	" 10..	Frank M. Seeley	"	Halifax, N.S.....	"	8 00
3452	" 10..	James E. McPherson.....	Master.....	Port Daniel, Que.....	"	15 00
3453	" 11..	George E. Murray.....	"	Cardiff, Wales	Victoria, B.C...	15 00
3454	" 31..	Henry John Hobbs.....	"	Victoria, B.C.....	"	15 00
3455	Feb. 3..	Harold F. Spinnay.....	2nd Mate...	Yarmouth, N.S.....	Yarmouth, N.S.	8 00
3456	" 3..	W. A. Steele.....	"	Gaspereaux, P.E.I.....	St. John, N.B..	8 00
3457	Mar. 11..	Edgar Pelletier.....	"	L'Islet, Que.....	Quebec, Que....	8 00
3458	" 14..	Percival Mann.....	Master.....	Burlington, N.S	Yarmouth, N.S.	15 00
3459	" 14..	W. H. Davis.....	"	St. John, N.B	St. John, N.B..	15 00
3460	" 14..	Norman E. Smith.....	"	Wood's Harbour, N.S...	"	15 00
3461	Apr. 1..	J. A. McCulloch.....	Mate.....	S.S. Tartar.....	Victoria, B.C...	8 00
3462	" 1..	John W. Harrison.....	2nd Mate...	Lincoln, G.B.....	"	8 00
3463	" 19..	J. D. Archibald.....	"	Mid. Musquodoboit, N.S.	St. John, N.B..	8 00
3464	May 1..	Chas. H. Webb	Mate.....	California, U.S.....	Victoria, B.C...	8 00
3465	" 29..	J. S. Morris.....	2nd Mate...	West Advocate, N.S....	St. John, N.B..	8 00
3466	June 3..	Réné Pelletier.....	"	L'Islet, Que.....	Halifax, N.S...	8 00
3467	" 21..	Geo. H. Irving.....	Master.....	Hillsboro', N.B.....	St. John, N.B..	15 00

LIST of Certificates of Service granted to Masters and Mates of INLAND and COASTING VESSELS during the year ended June 30, 1902.

	1901.					
3366	Aug. 1..	Hector Roszel.....	Master.....	Little Current, Ont	St. Catharines, O	8 00
3367	" 10..	O. P. Thorbourn	"	East Jordan, N.S.....	Shelburne, N.S.	8 00
	1902.					
3368	Jan. 29..	L. P. D'Entremont.....	"	West Pubnico, N.S.....	Yarmouth N.S.	8 00
3369	Feb. 4..	Z. Nickerson.....	"	Port Clyde, N.S.....	"	8 00
3370	Mar. 19..	H. A. Kenney.....	"	Barrington, N.S.....	Halifax, N.S...	8 00
3371	Apr. 23..	N. A. Nickerson	"	Five Islands, N.S.....	Parrsboro', N.S.	8 00
3372	" 23..	Chas. H. Clements.....	"	Port Medway, N.S.....	Liverpool, N.S..	8 00
3373	" 23..	D. B. Clapp.....	"	Picton, Ont.....	Kingston, Ont..	8 00
3374	May 5..	E. Smiley.....	Mate.....	Port Dalhousie, Ont....	St. Catharines, O	4 00
3375	" 27..	Freeman Green.....	Master.....	Dunnville, Ont.....	"	8 00
3376	" 27..	J. A. Hughes	Mate.....	Charlottetown, P.E.I...	Charl't'n, P.E.I.	4 00
3377	June 4..	Andrew Walher.....	Master.....	Clementsport, N.S.....	Bear River, N.S.	8 00

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APPENDIX No. 48.

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels, in Canadian Waters, and to Canadian Sea-going Vessels, in other Waters, for the twelve months ended June 30, 1902.

Date of casualty.	Name of Ship.	Age of ship.	Port of Registry.	How Rigged. — Iron or Wood. — Steam or Sail.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Cause and Nature of Casualty.	Lives lost.	Remarks.
1902.		Yrs								\$
Apl. 13	Artisan..... (80,086)	10	St. John, N.B.	Bk., wood, sail.	1,083	Manilla, Phil. Ids. to Newcastle, N.S.W.	Cape Patterson, Bass Strait, Aust.	Vessel driven ashore by gale.	....	Total loss, 12,000
1901.										
Jan. 29	Armenia..... (84,314)	20	Glasgow, G.B.	Schr., iron, steam	2,218	Glasgow G.B., to St. John, N.B.	Negro Head, Bay of Fundy.	Stranded in dense fog.	....	Total loss.
Jan. 16	Annie Sharpborg.	29	Norwegian....	Bark, wood, sail.	532	Dalhousie, N. B., to Liverpool, G.B.	Jacket River Bar, N.B.	Stranded.....	....	Partial loss.
June 26	Argentina..... (92,682)	11	Pictou, N.S....	Bk., wood, sail	583	Philadelphia, U. S. A to Yarmouth, N.S.	Gannet Rock Ledges, Yarmouth, N.S.	Stranded. ....	....	Partial loss, 700
Sept 0	Amur..... (98,073)	11	Victoria, B.C.	Schr., steel, steam.	907	Victoria, B.C. to Skagway, Ala. to Victoria, B.C.	Chilkoot Inlet, Alaska.	Stranded, careless navigation.	....	Total loss, 7,000
Nov. 13	Annie E. Richardson.	19	American.....	Schr., wood, sail.	214	Boston, Mass., U.S.A. to St. John, N.B.	S. W. point of Westport, N.S., Brier Island, Bay of Fundy.	Stranded on Brier Island	....	Partial loss, 1,000
May 12	Aggi.....	10	Bergen, Nor'y.	Schr., iron, steam.	2,129	Newcastle to Montreal P.Q.	Matane, P.Q.	Stranded.. ..	....	Serious loss.
Oct. —	Avis..... (85,978)	19	St. John, N.B.	Schr., wood, sail.	124	St. John, N.B., to New Haven, Conn., U.S.A	Nantucket Shoals, U.S.A.	Lost masts and rigging....	....	Partial loss, 300
Nov. 12	Alert..... (96,950)	11	St. John, N.B.	Bk., wood, sail	576	Bristol Channel to Annapolis, N.S.	North Atlantic.....	Lost masts, sails and rigging in heavy sea.	....	Partial loss.
Dec. 2	Avis..... (85,978)	19	St. John, N.B.	Schr., wood, sail.	124	New London, Conn., U.S.A., to Sackville, N.B.	North Atlantic, American coast.	Lost foremast head in heavy sea.	....	Partial loss, 300
1899.										
Dec. —	Anita..... (85,507)	17	St. John, N.B.	Schr., wood, sail.	115	Poscagoula to St. Lucia.	Dixie Island, Mobile Bay, Ala., U.S.A.	Strung a leak and stranded.	....	Total loss, 3,000 Cargo, 2,500

1901.	Nov.	4	Atrato..	4	Liverpool, N.S.	Schr., wood, sail.	199	Sheet Harbour, N.S., to New York, U.S.A.	Nantucket Shoals, Mass U.S.A.	Carried on shoals by current.	Partial loss,	2,000
	Oct.	—	Arctic.....	11	Lunenburg, N.S.	Schr., wood, sail.		New London to New York, U.S.A.	New London, Conn., U.S.A.	Struck ledge and sprung a leak.		
	Aug.	14	A. Lincoln..... (107,321)	36	Charlottetown P.E.I.	Schr., wood, sail.	36	Port Hood, N.S., to West River, P.E.I..	Entrance to Charlotte-town Habr., P.E.I.	Damaged in collision....	Partial loss, Cargo,	600 35
	Oct.	12	A. G. Goddard. (52,160)	25	British.....	Steel, steam.		Towing in Lake Labarge, Can.	Lake Labarge, Can.	Capsized and sank in a gale.	Total loss.	
	Feb.	6	Annie E. Richardson.	19	American.	Schr., wood, sail.	214	St. John, N.B., to New Haven, Conn., U.S.A	45 miles east of Cape Anne, Mass., U.S.A	Sprung a leak in heavy weather and was abandoned.	Total loss, Cargo,	6,000 3,318
1902.	Feb.	2	Aleides..... (93,254)	16	Glasgow, G.B.	Steel, steam.	2,181	Glasgow, G.B., to St. John, N.B.	Round Reef, St. John Harbour, N.B.	Stranded		
	Mar.	5	Adelene..... (88,697)	17	St. John, N.B.	Schr., wood, sail.	193	St. John, N.B., New York, U.S.A.	Off Chatham, Mass., U.S.A.	Lost anchors, sails, and jib in gale.	Partial loss,	600
1901.	Dec.	19	Abbie Verna.... (107,070)	4	St. John, N.B.	Schr., wood, sail.	66	Musquash, N.B., Newark, N.J., U.S.A.	Off Ipswich, Mass., U.S.A.	Lost mainsail.	Partial loss,	150
	Feb.	12	Arthur M. Gibson. (96,947)	12	St. John, N.B.	Schr., wood, sail.	296	Hamilton, Bermuda, to Savannah, Ga., U.S.A.	Near Dockyards, Bermuda.	Stranded	Partial loss,	25,000
	Mar.	29	Antilla..... (96,948)	12	St. John, N.B.	Bktne., wood, sail.	442	Montevideo to New York, U.S.A.	Beach Harbour, 16 miles N. of Atlantic City, U.S.A.	Stranded in thick weather. Error in judgment by Master.	Total loss.	12,000
1900.												
			Albacore. (74,380)	23	Bowmanville, Ont.	Schr., wood, sail.	327	Oswego, N.Y., U.S.A.			Total loss.	
1902.												
Feb.	8	Aldine	17	Yarmouth, N.S.	Bktne., wood, sail.	299	Turks Isld., Yarmouth, N.S.	37° N. 65° W. North Atlantic.	Leaky in heavy weather.			
Mar.	6	Antiqua..... (94,728)	14	Windsor, N.S.	Bktne., wood, sail.	735	Port au Spain, Trinidad W.I., to New York, U.S.A.	200 Miles N. Trinidad, Caribb. Sea.	Leaking. Put into St. Thomas for repairs.	Partial loss.		
Feb.	25	Amanda..... (108,978)	17	St. John, N.B.	Schr., wood, sail.	181	St. John, N.B., New York to Bahia.	40° N. 49° W.....	Leaking. Put into St. Thomas for repairs.	"		
1901.												
Oct.	16	B. R. Woodside.	18	American.....	Schr., wood, sail.	421	Halifax to Tucket Wedge, N.S.	Lunenburg Harbour, N.S.	Stranded	"	650	
Mar.	—	Bessie..... (100,545)	4	Digby, N.S....	Schr., wood, sail.	88		Two miles south, Seal Rocks, Me., U.S.A.	Damaged in gale.	"	400	
Oct.	9	Bonnie Doone... (96,952)	11	St. John, N.B.	Schr., wood, sail.	117	New York, U.S.A., to St. John, N.B.	Penobscot Bay, Me., U.S.A.	Stranded.....	"	125	

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels in Canadian Waters, &c.—Continued.

Date of Casualty.	Name of Ship.	Age of Ship, in Yrs.	Port of Registry.	How Rigged. — Iron or Wood. — Steam or Sail.	Register Tonnage.	Port sailed from — Port bound to.	Place where Casualty happened.	Cause and Nature of Casualty.	Lives lost.	Remarks.
1902.										%
Jan. 2	Bristol (73,624)	26	Victoria, B.C.	Schr., iron, steam.	1,983	Nanaimo, B.C. to Juneau, Ala.	Chatham Strait, B.C.	Stranded.	....	Total loss.
.....	Blanche M. Thorburn. (88,551)	16	Charlottetown P.E.I.	Schr., wood, sail.	96	St. Pierre, Miq.	47° 45' N., 490° W., N. Atlantic.	Damaged in Hurricane.	....	Partial loss.
Jan. 1	Bobs (92,747)	8	Parrsboro, N.S.	Schr., wood, sail.	97	Westport, N.S., to Parrsboro, N.S.	Brier Isld., Bay of Fundy, N.S.	Stranded.	....	" 1,000
Feb. 19	Bertha	3	San Francisco, U.S.A.	Schr., wood, steam.	926	Seattle, U.S.A., to Skagway, Ala.	North Head, Fitzhugh Sound, B.C.	"	....	"
April 30	Barbara Boschwitz. (83,454)	19	Victoria, B.C.	Schr., wood, steam.	329	Victoria, B.C., to Esquimauton, B.C.	54° 15' N., 149° 42' W.	" No damage.	....	"
May 1	Bothnia (100,661)	17	Kingston, Ont.	— wood, steam.	478	Fair Haven to Montreal, Que.	St. Lawrence S.E. end of Mud Isld.	Stranded.	....	"
April 12	Bona Fide (94,782)	13	Charlottetown P.E.I.	Schr., wood, sail.	90	Georgetown, P.E.I. to St. Johns, Nfld.	46° 30' N. 57° 22' W. Gulf St. Lawrence.	Damaged in gale.	....	Partial loss, 300
June 25	Bonifal	21	American.	" " "	388	Seattle, U.S.A. to Ketchikan, Ala.	Satellite Reef, Nanaimo, B.C.	Stranded through want of local knowledge.	....	Trifling.
1900.										
Nov. —	Catherine (53,875)	35	Arichat, N.S.	" " "	61	Picton, N.S., to Arichat, N.S.	West Arichat, N.S., at anchor.	Sprung a leak and sank.	....	Total loss, 200
Aug. 20	Cutch .....	.....	Vancouver, B.C.	Schr., iron, steam.	366	Vancouver, B.C. to Skagway, Ala.	Stephen's Passage, Alaska.	Stranded.	....	Total loss.
" —	Charlotte (103,452)	25	Arichat, N.S.	Schr., wood, sail.	73	Arichat, N.S. to Chetivcamp, N.S.	Miscou Island, N.B.	Stranded.	....	"
1901.										
Sept. 28	Cheslie (103,726)	5	Parrsboro, N.S.	" " "	330	Windsor, N.S. to New York, U.S.A.	Off Blomidon, Minas Basin, N.S.	Lost sails and rigging.	....	Partial loss, 250
Oct. 25	Carel	18	Norway	Schr., iron, steam.	1565	Chatham, N. B., to Liverpool, G.B.	Miramichi Harbour, N.B.	Stranded on bar.	"

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Nov. 16	Christie Campbell bell. (103,321)	40	Sydney, N.S.	Schr., wood, sail.	St. Peter's Canal to Sydney, C.B.	Bras d'Or lake, C.B.	Collision.....	Total loss.	1,000
" 24	Centennial..... (88,257)	18	St. John, N.B.	" " "	124	Parrsboro, N. S. to Boston, U.S.A.	12 miles W.S.W. from Sequin, Me., U.S.A.	Lost sails and rigging.....	Partial loss.	500
Aug. —	Castano..... (11,832)	.....	Digby, N.S.	" " "	215	Cienfuegos, Cuba, to Appalachiala, Fla., U.S.A.	Gulf of Mexico.....	Foundered.....	Total loss.	15,000
Dec. 20	Carrie W. Babson	12	American.....	" " "	62	N. Sydney, N. S. to Gloucester, Mass., U.S.A.	Low Point Lt., Sydney, C.B.	Stranded on Peters Ledge.....	Partial loss. Cargo.	850 350
May 20	Celeste Burrill..	15	Yarmouth, N.S.	Ship, wood, sail.	1,764	Manilla to Victoria, B.C.	20° 47', N., 120° 44' E., Pacific Ocean.	Sprang a leak; condemned as unseaworthy.	Total loss.	3,400
Oct. 12	Cygnets..... (80,389)	19	Parrsboro, N.S.	Schr., wood, sail.	77	Parrsboro, N.S., to St. John, N.B.	Off Mispec, N.B., Bay of Fundy.	Sprang a leak in heavy weather.	Partial loss.	100
Jan. —	Canada... (100,262)	11	Windsor, N.S.	Ship, wood, sail.	2,137	Cardiff, Wales, to Cape Town, S.A.	At Sea.....	Damaged in heavy weather.	"	1
1902.										
Feb. —	Clarence A. Shafner..... (107,297)	.....	Annapolis, N.S.	Schr., wood, sail.	158	Annapolis, N. S., to Cuba.	Annapolis Basin, N.S.	Vessel broke from anchorage and drifted ashore.	"	1,000
Jan. 1	Clifton..... (85,446)	18	Windsor, N.S.	" " "	96	Turks Island to Lockeport, N.S.	15 miles N. Grand Turk	Sprang a leak.....	Cargo,	400
Mar. 3	Clifton..... (90,750)	16	St. John, N.B.	Wood, steam.	87	.....	At Dock, Indiantown, N.B.	Sank through neglect.....	Partail loss,	100
Feb. 12	Clio..... (90,581)	17	Lunenburg, N.S.	Bgtn., wood, sail.	168	Lunenburg, N.S., to St. Martins, D.W.I.	18° 04' N. 63° 06' W	Stranded.....	"	200
April 12	Charmer..... (100,793)	15	Victoria, B.C.	Schr., steel, steam.	1,044	Victoria, B.C., to Vancouver, B.C.	Victoria Harbour, B.C.	In collision with D. W. Gordon.	No loss.	
Mar. 22	City of Seattle..	.....	American.....	" " "	767	Seattle, Wash., U.S.A. to Vancouver, B.C.	Vancouver, B.C.	In collision.....	No damage.	
June 4	Capilano..... (100,203)	10	Vancouver, B.C.	" " "	157	Nanaimo, B.C., to Vancouver, B.C.	Entrance to Narrows, Burrard Inlet, B.C.	Touched a rock.....	No damage.	
May 2	Clayola..... (97,172)	11	Windsor, N.S.	Schr., wood, sail.	123	Liscomb, N.S., to New York, U.S.A.	Bay of Fundy.....	Lost sails and 15 m. lath in gale.	Partial loss,	90
Jan. 28	Cavalier..... (100,233)	9	Halifax, N.S.	" " "	233	New York, U.S.A., to Cayenne.	Parc à Tortu, San Domingo.	Stranded.....	Total loss,	9,000
1899.										
Aug. 14	Daisy..... (72,058)	24	Arichat, N.S.	Schr., wood, sail.	34	Arichat, N.S.....	75 miles from Scatterie Island, N.S.	Foundered.....	Total loss,	500
1901.										
Aug. 10	Drumalis.....	.....	Liverpool, G.B.	Bk., steel, sail.	2,450	Dunkirk, France, to New York, U.S.A.	S.W. ledge, Cape Sable, N.S.	Stranded.....	Total loss.	
Nov. 20	Druid..... (80,097)	19	St. John, N.B.	Schr., wood, sail.	97	Boston, Mass., U.S.A., to St. John, N.B.	Gloucester Harbour, Mass., U.S.A.	Lost anchor, sails and chain in heavy weather.	Partial loss,	400
1902.										
April 12	D. W. Gordon... (100,638)	10	Victoria, B.C.	Slp., wood, sail.	12	Victoria, B.C.	Victoria Harbour, B.C.	Collision.....	"	200

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels in Canadian Waters, &c.—Continued.

Date of Casualty.	Name of Ship.	Age of Ship.	Port of Registry.	How Rigged. — Iron or Wood. — Steam or Sail.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Cause and Nature of Casualty.	Lives lost.	Remarks.
1902.		Yrs								\$
April 6	Dunsmuir (86,233)	20	Victoria, B.C.	Bk., iron, sail.	1,798	Hamburg to San Francisco, Cal., U.S.A.	San Francisco Bay, U.S.A.	Lost bowsprit in collision.		Partial loss, £500
June 27	Dirigo		American	Schr., wood, steam.		Seattle, U.S.A., Nanaimo, B.C., to Ketchikan, U.S.A.	Nanaimo Harbour, B.C.	Stranded		Trifling.
1900.										
Aug. 8	Ethel B		Arichat, N.S.	Schr., wood, sail.	10			Broken up.		
1901.										
Sept. 14	Eliza Bell (57,722)	33	Digby, N.S.	"	30	Beaver Harbour, N.B., to St. John, N.B.	St. John Harbour, N.B.	Stranded in fog		Total loss, 600
Oct. 26	Ellen M. Gould.	1½	Gloucester, Mass.	Schr., wood, steam.	99	Gloucester fishing.	North Sydney Harbour, N.S.	Fire.		Partial loss, 27,000
1900.										
July 18	Elsie M. Smith.	18	American	Schr., wood, sail.	83	Rockport, Me., U.S.A.	St. Johns, Nfld.	Stranded in thick fog		400
1901.										
Oct. 6	Epes Tarr	28	"	"	48	Shag Harbour, N.S., to Gloucester, Mass., U.S.A.	Mud Island, N.S.	Stranded trying to make harbour.		Total loss, 1,500
Dec. 11	Ella	3½	Norwegian	Schr., steel, steam.	916	Newfoundland	On a trip from Newfoundland to Sydney, C.B.	Broke shaft and lost propeller.	4	Partial loss, 10,000
Sept. 28	Edmund. (75,589)	24	St. John	Schr., wood, sail.	108	At anchor, Codroy Harbour, N.Y.	Codroy Harbour, N.Y.	Vessel ran ashore in a heavy gale.		Total loss, 3,000
Oct. 25	Erma C. (100,155)	10	Lunenburg, N.S.	Schr., wood, sail.	29	LaHave, N.S. to Halifax, N.S.	Hali. Pennant Point, N.S.	Stranded. Master deceived by the lay of the land		Total loss, 900 Cargo, 2,000

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Dec. 5	Eureka.....	12	Lunenburg, N.S.	Schr., wood, sail.	99	Alicante to Cadiz, Spain.	Reef off Tarbuca, Island Spain.	Vessel ran on reef and became a total loss.	Total loss,	2,400
.....	E. N. Merchant. (94,966)	51	Digby, N.S.	Schr., wood, sail.	48	Broken up at Digby, N.S.	Digby Harbour, N.S.	Beached	Total loss,	100
23	1902.									
Mar. 19	E. H. Foster....	19	St. John, N.B.	Schr., wood, sail.	124	St. John, N. F. to Boston, Mass, U.S.A.	Boston Harbour, U.S.	Vessel was leaking. Stranded. Knocked off piece of shoe. Lost 2 jibs	Total loss,	375
June 3	Empress of Japan	11	London, Eng.	F. & A., steel, steam.	3003	Hong Kong, Yokohama to Vancouver, B.C.	Victoria Harbour, B.C.	Collided with Str. <i>Shinano Mara</i> .	Partial loss,	5,000
Feb. 21	Ellen A. Read..	10	Yarmouth, N.S.	Ship, wood, sail.	1750	Manilla to Port Town- send, Wash., U.S.A.	Lat. 37° N. Long. 175° 30' E., N. Pacific.	Leaking. Put into Hono- lulu.	Partial loss,	2,400
Sept. 12	Fly.....	10	Chatham, N.B.	Schr., wood, sail.	14	Shippegan, N.B., on a fishing trip in the Gulf.	Straits of Northumber- land.	Supposed to have found- ered. All hands lost.	Total loss,	400
1899.										
June —	Fly.....	11	Chatham, N.B.	Schr., wood, sail.	12	Caraquet, N.B., fishing in the G. of St. Lawr.	In the Gulf of St. Law- rence.	Foundered in a gale. All hands lost	Total loss,	300
1901.										
Oct. 28	France & Russia (107,190)	27	Charlottetown P.E.I.	Schr., wood, sail.	27	Georgetown, P.E.I. to Pictou, N.S.	East end of Pictou Island, N.S.	Heavy sea and weather. Vessel stranded.	Partial loss.	
1902.										
Feb. 2	Flushing.....	20	St. John, N.B.	Wood, steam.	121	St. John Harbour, N.B.	Off Foul ground, St. John Harbour, N.B.	Damaged in collision	Partial loss,	600
Feb. 11	Fawn.....	10	Victoria, B.C.	Schr., wood, sail.	59	Victoria, B.C. to Seal- ing Cruise.	Catala Is'ld., Esperanza Inlet, B. C.	Broke from anchorage and drifted ashore.	Total loss.	7,000
" 27	Fred E. Scam- mell. (100,495)	22	Parrsboro, N.S.	Ship, wood, sail.	1,349	Manilla to San Fran- cisco, U.S.A.	San Francisco, Cal., U.S.A.	Arrived leaking badly	Partial loss.	1,000
June 2	Florence.....	16	Halifax, N.S.	Schr., wood, sail.	89	Louisburg, N. S. to Halifax, N.S.	Sheet Harbour, N.S.	Stranded on Yankee Jack Shoal.	Damage.	1,000
1900.										
Oct. 20	G. H. B.....	36	Arichat, N.S.	Schr., wood, sail.	36	Pictou, N.S.	Janvrins Is'ld., N.S.	Vessel parted both chains at Janvrins Island, N. S., and became a total wreck.	Total loss.	
" 13	Green Leaf.....	16	Halifax, N.S.	Schr., wood, sail.	44	Halifax, N.S., to Ship Harbour, Labrador.	Six miles from Grind- stone, Sandy Hook. M.I.	Driven ashore in a gale	Total loss. Cargo.	3,000 1,800
1901.										
Aug. 13	G. E. Bontly...	9	Parrsboro, N.S.	Schr., wood, sail.	250	Mobile to Cartagene...	Gulf of Mexico.....	Lost sails in hurricane and leaking.	Total loss.	2,500

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels in Canadian Waters, &c.—Continued.

Date of Casualty.	Name of Ship.	Age of Ship.	Port of Registry.	How Rigged. — Iron or Wood. — Steam or Sail.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Cause and Nature of Casualty.	Lives lost.	Remarks.
1901.		Yrs								\$
Sept 15	Gold Seeker..... (103,203)	5	Liverpool, N.S.	Schr., wood, sail.	199	Jeremie, Hayti. . .	North Atlantic Ocean, Lat. 37° 40' N., Long. 70° 38' W.	Collided with S.S. <i>Endavour</i>.	....	Partial loss. 1,000
June 2	G. G..... (88,434)	16	St. John's, N.F.L.	Schr., wood, sail.	79	North Sydney to Halifax, N.S.	Off Flint Isld., N.S....	Sprung a leak off Flint Island.	....	" 150
Nov. 18	Guardian..... (107,958)	18	Lunenburg, N.S.	Schr., wood, sail.	99	Vineyard Haven, Mass., U.S.A., to Lunenburg, N.S.	Vineyard Sound, Mass., U.S.A.	Wind died out, and anchors would not hold in heavy sea.	....	Total loss. 6,000 Cargo. 1,000
Nov. 22	Glendale..... (97,088)	11	"	Schr., wood, sail.	37	Montague, P.E.I. to Chezetcook, N.S.	Red Rock Ledge, Little Canse, N.S.	Vessel lost in a storm....	....	Total loss. 600 Cargo. 300
Dec. 11	Glyndon..... (103,752)	4	"	Schr., wood, sail.	99	Port Hood to Yarmouth, N.S.	Auld's Cove, Strait Canse, N.S.	Vessel stranded.....	....	Partial loss. 450
April 14	Gazelle..... (75,860)	23	Weymouth, N.S.	Schr., wood, sail.	121	Port Gilbert, N.S., to Boston, Mass., U.S.A.	Mount Dessert Rock, N.S.	Vessel sprung a leak.....	....	Serious casualty.
1902.										
Feb. 9	Grecian..... (82,246)	22	Glasgow, G.B.	— Iron, steam.	2,211	St. John's, N.F.L. to Halifax, N.S.	Sandwich Point, Halifax Harbour, N.S.	Vessel became a total loss.	....	Total loss.
Jan. —	Gladstone..... (100,109)	.....	Moncton, N.B.	.....	.....	Sherbrooke to New York, U.S.A.	Sandy cove, entrance to Liverpool Harbour N.S.	Went ashore.....	....	Total loss.
.....	Grace G. Gribbie.....	.....	American.....	Schr., wood, sail.	283	Erie, Pa., U.S.A., to St. Ignace, Mich., U.S.A.	Pt Pelee, 3 miles from Pigeon Bay, Ont.			
Apl. 27	Gracie B..... (111,453)	1	Winnipeg, Man.	Wood, steam.	14	Winnipeg to Selkirk, Man.	Little Britain Ferry, Red River, Man.	Ferry cable swept deck house off.	1	Loss, 300
Mar. 2	Georges Walter.....	.....	French.....	Schr., wood, sail.	40	St. Pierre Miq. Fishing cruise.	Coffin Island, M.I., Gulf St. Lawrence.	Want of attention.	....	Total loss, 650

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels in Canadian Waters, &c.—*Continued.*

Date of Casualty.	Name of Ship.	Age of Ship.	Port of Registry.	How Rigged. — Iron or Wood. — Steam or Sail.	Register Tonnage.	Port Sailed from. — Port bound to.	Place where Casualty happened.	Cause and Nature of Casualty.	Lives lost.	Remarks.
1901.		Yrs								\$
Jan. 21 1902.	Harry Troop... (111,693)	12	Liverpool, N.S.	Schr., wood, sail.	199	New York to Ciudad Bolivar.	Lat. 37° 25' N., long. 68° W., North Atlantic.	Lost foretop mast..	....	Partial, 50
Mar. 21 1901.	Herbert Rice... (83,439)	14	Weymouth, N.S.	"	150	Barbadoes, B.W.I., to Halifax, N.S.	Lat. 24° 38', long. 68° 16'.	Foremast rig and sail carried overboard.	....	Unknown.
June 15	Iris.....	25	Sweden	Barque, wood, sail.	680	Chatham, N.B., to Ayr	Miramichi Bay	Vessel struck by a heavy roll and foundered.	....	Partial loss.
Aug. 15 1902.	Islander..... (95,093)	15	Victoria, B.C.	Schr., steel, steam.	478	Skagway, Ala., to Vancouver, B.C.	Point Hilda, Steven's Passage, off Douglas Island, Alaska.	Struck an iceberg and sank in 20 minutes.	42	Total loss, 160,000
Mar. 22 1884.	J. V. Dexter... (97,058)	9	Liverpool, N.S.	Schr., wood, sail.	149	New York, U.S.A., to Halifax, N.S.	8 m. N.E. St. George's Shoal, N. Atlantic.	Washed by heavy seas, put into Boston for repairs.	....	Partial loss, 50
Mar. 10 1890.	John A. Ruddock	5	St. John, N.B.	"	10	Bocabee to Grand Manan, N.B.	Bay of Fundy..	Driven ashore in a gale..	....	Total loss.
Oct. — 1901.	J. W. Arnold...	15	Halifax, N.S.	"	56.80	Halifax, Canso, N.S., to Anticosti, P.Q.	Gulf of St. Lawrence..	Supposed to have capsized in a gale.	5	1,600
Aug. 17	John T. Cullinan (107,071)	29	St. John, N.B.	Schr., wood, sail.	91	St. John, N.B., to Hartford, U.S.A.	Shovel Shoals, Mass., U.S.A., S.E. side.	Went ashore in a fog and could not be got off with a tug.	....	Total loss, 1,000 Cargo, 1,100
....	Joseph Rowe... (American)	Gloucester, U.S.A.	"	White Head, N.S....	Three Top Isld., White Head, N.S.	Foundered in bad weather	Total loss, 8,000

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Aug. 14	Jacques Cartier. (92,348)	13	Charlottetown, P.E.I.	Sloop, wood, steam.	239	Charlottetown, P.E.I., to Pugwash, N.S.	1½ m. outside Charlotte- town Hbr., P.E.I.	Vessel collided with a schooner.	Partial loss,	150
Jan. 7	John S. Parker. (100,080)	10	St. John, N.B.	Schr., wood, sail.	240	St. John, N.B., to New York, U.S.A.	New Orleans, Mass., U.S.A.	Error of judgment in the master as to vessel's position.	....	Total loss, Cargo,	9,000 4,079
May 10	Jacona..... (96,365)	12	Dundee, Scotd	Schr., iron, steam.	1,951	Montreal, P.Q. to Leith, Scotland.	Near Sorel, River St. Lawrence.	Vessel got out of channel and stranded.	...	Trifling.	
July 10	J. E. Graham... (83,204)	19	Windsor, N.S.	Bk., wood, sail.	1,336	Alleppi, B.C.....	Lat. 35° 15' N., long. 73° 30' W. Atlantic Ocean	Cut away mast and sails during storm.	....	Partial loss,	1,000
'	Johanne.....	27	Norway ...	" "	473	Sydney, N.S.....	Green Cove, C.B., North Atlantic.	Struck in a fog.....	....	Total loss,	9,000
May 16	Kildona..... (93,769)	13	Dundee, Scotd	Schr., iron, steam.	2,349	Newcastle, to Mont- real, P.Q.	Matane, P.Q., Gulf of St. Lawrence.	Stranded in fog.	....	Trifling casualty.	
.....	Leona..... (59,399)	40	St. Andrews, N.B.	Schr., wood, sail.	12	.....	Red Beach, Ste. Croix River.	Wrecked.	....	Total loss.	
Aug. 28	Lizzie Wharton. (83,494)	17	Digby, N.S....	" "	98	Boston, Mass., U.S.A., to Annapolis, N.S.	Annapolis Basin, N.S.	Vessel listed over and up- set a lantern which was in cabin, which, it is sup- posed, set fire to cabin.	....	" Cargo,	2,500 800
.....	L. E. Young... (96,833)	11	Lunenburg, N.S.	" "	69	Lunenburg to Yar- mouth, N.S.	30 m. S. White Head, Guysboro', N.S.	Lost sails in a gale.	...	Trifling,	45
Dec. 8	Laura C. Hall... (103,738)	4	Parrsboro', N.S.	" "	100	River Hebert to Pro- vidence.	Near Portland Hbr., Me., U.S.A.	Vessel struck a sunken reef.	...	Partial loss,	140
.....											
Mar. 18	Lake Superior... (91,197)	17	Liverpool, Eng	3-m.schr., iron, steam.	2,879	Liverpool, Eng., to St. John, N.B.	St. John harbour, N.B.	Stranded.	....	Total loss.	
.....											
Mar. 23	Lord Roberts... (110,517)	2	Belfast, Ire-	Schr., steel, steam.	2,693	Port Talbot to St. John, N.B.	In dock in England.	Leaking badly.	....	Partial loss,	200
.....											
Apl. 20	Mola.....	9	St. John, N.B	Schr., wood, sail.	351	Buenos Ayres to New York, U.S.A.	Point Pleasant, New Jersey, U.S.	Stranded on account of mate not carrying out master's instructions in regard to taking sound- ings.	....	Partial loss,	3,000
.....											
Sept. —	Morning Light.. (83,222)	45	Chatham, N.B	Schr., wood, sail.	46	Sydney, N.S. to Pt. du Chêne, N.B.	King's Head, Pictou Co., N.S.	Vessel driven ashore in a heavy fog.	....	Total loss.	
.....											
Sept. 1	Marie Delphine.. (100,541)	.....	Digby N.S.	Schr., wood, sail.	67	Port Gilbert, N.S., to- Rockland, U.S.A.	Yorks Narrows, State Maine, U.S.A.	Sunk in collision.	....	Total loss.	

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels in Canadian Waters, &c.—Continued.

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Date of Casualty.	Name of Ship.	Age of Ship.	Port of Registry.	How Rigged. — Iron or Wood. — Steam or Sail.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Cause and Nature of Casualty.	Lives lost.	Remarks.	\$
1900.		Yr's									
Sept.	Marie Anne (73,021)	16	Amherst, M.I.	Schr. wood, sail.	148	North Sydney, N.S., fishing trip.	White Point, Aspy Bay, N.S.	Vessel was running for a harbour; and being forced around Cape North by the gale she was dashed to pieces against the cliff at White Point, N.S. Vessel sprung a leak.	....	Total loss.	3,000
1901.											
Sept.	6 May (69,189)	27	Lunenburg, N.S.	Bgtne., wood, sail.	148	Lunenburg to Port Rico, U.S.	North Atlantic Ocean, Lat. 20° 30' N., Long. 60° 30' W.	Vessel struck.	....	Total loss, Cargo,	10,000
Oct.	5 Manchester Shipper. (108,850)	...	Manchester, Eng.	Schr., wood, sail.	2,542	Havre, France, to Quebec, P.Q.	Inside Low Point Light Sydney, N.S.	Vessel struck.	....	Accident,	3,000
July 1900.	5 Manchester Corporation (108,844)	2	Manchester, Eng.	Schr., steel, steam.	3,586	Montreal, P.Q., to Manchester, Eng.	River St. Lawrence.	Supposed to have struck a submerged log, she broke 3 blades of her propeller.	....	Total loss,	500
Sept. 14 1901.	Marie Anne (93,021)	26	Amherst, M.I.	Schr., wood, sail.	46	White Point, C.B.	....	Vessel caught in storm, could not get sails down, had to cut away jib, vessel drifted to Seal Cove, N.B. Did not hear fog whistle and vessel ran ashore in a snow storm.	....	Partial loss,	120
Dec. 4 1902.	Margaret (103,119)	35	St. Andrews, N.B.	Schr., wood, sail.	49	Windso, N.S., to St. John, N.B.	West Quoddy, bearing 3 miles Marine, Bay of Fundy.	Vessel caught in storm, could not get sails down, had to cut away jib, vessel drifted to Seal Cove, N.B. Did not hear fog whistle and vessel ran ashore in a snow storm.	....	Total loss, Cargo,	3,500 7,000
Jan. 1 1901.	1 Marion (103,257)	6	St. John, N.B.	Schr., wood, sail.	124	St. John, N.B., Parrsboro, N.S.	Minas Channel, N.S.	Vessel caught in storm, could not get sails down, had to cut away jib, vessel drifted to Seal Cove, N.B. Did not hear fog whistle and vessel ran ashore in a snow storm.	....	Total loss,	5,000
Dec. 18 1901.	18 Monitor (107,961)	2	Lunenburg, N.S.	Schr., wood, sail.	99	Charlottetown, P.E.I., to Port Hood, N.S.	Cole's Reef, west side of entrance to Pictou Harbour, N.S.	Stranded in a thick snow storm.	....	Total loss,	5,000

1902.	Jan. 6	Merton (71,384)	26	Parrsboro, N.S.	Schr., wood, sail.	61	Laid up at Parrsboro, N.S.	Parrsboro River, N.S.	Fire.	....	Partial loss,	200
	Feb. 14	Morancy	34	(American)...	Schr., wood, sail.	159	About to sail from St. John, N.B.	Walker's Wharf, St. John, N.B.	Damaged by fire on board, supposed to have been caused by the explosion of a lamp.	....	Partial loss, Cargo,	400 30
	Aug. 3	Mira..... (112,844)	9 m.	London, Eng.	Schr., wood, steam.	2,409	Boston, Mass., U.S.A., to Louisburg, N.S.	Near Yarmouth, N.S.	Stranded.....	....	Partial loss.	
1901.	Dec. 31	Maud Churchill. (107,988)	9 m.	Shelburne, N.S.	Schr., wood, sail.	96	Turks Island to Locke- port, N.S.	16 miles north Grand Turk, Turks Island.	Sprang a leak.....	....	" Cargo,	400
1900.	Nov. 8	Mary Amanda... (97,024)	31	"	"	42	Halifax to N. E. Har- bour, N.S.	N. E. Harbour, Shel- burne, N.S.	Dragged anchor.....	....	Total loss,	1,500
1902.	Feb. 28	M. J. Soley (103-015)	8	Parrsboro, N.S.	"	100	Parrsboro, N.S., to St. John, N.B.	Off Sand Point, St. John, N.B.	Damaged in collision....	....	Partial loss,	150
	Mar. 12	Mermaid..... (88,367)	18	Vancouver, B.C.	Wood, screw..	87	Nanaimo, B.C., to Ban- aka Bay.	Lat.44°11'50" N., long. 123°55'50" W., Str t of Georgia, B.C.	Stranded .....	....	"	750
	May 15	New England .. (52,160)	25	St. John, N.B.	Schr., wood, sail.	60	River Hebert, N.S., to St. John, N.B.	River Hebert, N.S. ...	Caught on ice and became a total wreck.	....	Total loss,	300
1902.	Feb. 28	N. B. Morris ... (80,367)	22	Parrsboro, N.S.	Barque, wood, sail.	699	Rosario, S. America, to Philadelphia, U.S.A.	Mouth of Delaware River, U.S. coast.	Stranded in Delaware River during storm.	....	Total loss,	5,000
	" 16	Neckar	1	Bremen, Ger- many.	4-mast, steam.	9,835	Bremen, Germany, to New York, U.S.A.	Lat.42°23' N., long. 46° 48' W., N. Atlantic.	Lost rudder and propel- lers.	....	Total loss.	
	June 8	North America . (59,465)	32	Arichat, N.S.	Schr., wood, sail.	174	Descousse, N.S., to Pas- pebiac, P.Q.	Inkerman's Point, N.B.	Stranded in storm.....	....	Total loss.	
	Feb. 2	Ora .....	...	Yarmouth, N.S.	Brigantine, sail	.....	Annapolis, N.S.....	Annapolis Basin, N.S..	Vessel seriously damaged in a storm.	....	Partial loss,	1,000
1901.	Dec. 30	Oliver Wendell Holmes.....	12	(American) ...	Schr., wood, sail.	102	Gloucester, Mass., U. S. A., to New- foundland.	S.W. Point Seal Island	The master misjudged his position.	....	Total loss.	
1902.	Feb. 20	Oscar Hattie.... (97,156)	18	Victoria, B.C.	"	81	Victoria, B.C., sealing cruise.	Lat.45°35' N., long. 124° 45' W., N. Pacific.	Heavy storm.....	....	Partial loss,	1,000

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels in Canadian Waters, &c.—Continued.

Date of Casualty.	Name of Ship.	Age of Ship.	Port of Registry.	How Rigged. — Iron or Wood. — Steam or Sail.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Cause and Nature of Casualty.	Lives lost.	Remarks.
1901.		Yrs								
July 17	Pawnee.	20	Liverpool, G.B.	Schr., iron, steam.	20	New York, U.S.A., to St. John, N.B.	Partridge Island, entrance of St. John Harbour, N.B., N by W. 3½ miles distant, Bay Fundy.	A dense fog and not hearing the <i>Rolands</i> fog-horn until too late.	....	Partial loss.
Aug. 21	Phoenix. (85,620)	18	Parrsboro, N.S.	Schr., wood, sail.	396	New York, U.S.A., to Windsor, N.S.	Off Quaco, Bay Fundy, N.B.	Vessel collided in a thick fog with the <i>Maurice</i>.	....	"
Oct. 6	Polar Star. (66,747)	12	Port Hawkesbury, N.S.	Schr., wood, sail.	76	Richibucto, N.B., to Glace Bay, N.S.	Tyron Shoals, P.E.I.	Strong tide and dense smoke caused vessel to run on shoal.	....	"
Sept. 5	Prospect. (72,191)	17	Parrsboro, N.S.	Schr., wood, sail.	79	St. John, N.B. to Tynemouth Creek, N.B.	Mouth of Tynemouth Creek, N.B.	Vessel sprang a leak and Captain ran her ashore to save cargo and himself.	....	Cargo, 400
Dec. 23	Petrel. (71,394)	24	Parrsboro, N.S.	Schr., wood, sail.	59	Spencer's Island to Parrsboro, N.S.	Minas Channel, Fraser-ville, N.S.	Vessel filled with water drifted ashore and went to pieces.	....	" 200
" 30	Protector. (111,402)	2	Lunenburg, N.S.	Schr., wood, sail.	95	Boston, Mass., U.S.A., to Yarmouth, N.S.	Yarmouth Harbour, N.S.	....	....	Partial loss, 600
Nov. 29	Prohibition. (103,069)	5	Yarmouth, N.S.	Schr., wood, steam.	120	Prospect, N.S. to New York, U.S.A.	Seal Island, North Atlantic.	Vessel sprang a leak. ....	....	"
1902.										
Feb. 12	Princess Louise. (83,257)	19	Annapolis, N.S.	Schr., wood, sail.	21	Grand Manan, N.B. to St. John, N.B.	Near Partridge Island, St. John, N.B.	Vessel ran into while at anchor.	....	Total loss, 700
Feb. 4	Prohibition. (103,069)	....	Yarmouth, N.S.	Schr., wood, sail.	121	Boston, Mass., U.S.A., to Yarmouth, N.S.	Serag Island, Me. U.S.A.	Stranded. ....	....	Cargo, 323 Total loss, 5,000
1901.										
May 13	Reporter. (88,588)	17	St. John, N.B.	Schr., wood, sail.	121	New York, U.S.A., to St. John, N.B.	Fisher's Island Sound, Conn., U.S.A.	"	Partial loss, 150

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July 17	Roland.....	13	Parrsboro, N.S. Schr., wood, sail.	93	Parrsboro, N.S. to St. John, N.B.	Partridge Island, mouth of St. John Harbour, N.B., Bay Fundy, N.B.	A thick fog, collided with the <i>Peuce</i> at the mouth of St. John Harbour, and sank in 16 fathoms of water. Was in tow of tug and got in the ice.	Total loss, Cargo, 5,000 450
Nov. 1902.	— Roberval..... (103,100)	8	Montreal, P.Q. Wood barge.	370	Ogdensburg, N.Y. U.S.A., to Cornwall, Ont.	One mile below Prescott, Ont.		....	Total loss, Cargo, 2,000 6,000
Feb. 18	R. I. Morse..... (100,806)	10	Victoria, B.C. Schr., wood, sail.	30	Victoria, B.C. to Sealing Cruise.	Lat. 42° 10' N., Long. 124° 50' W.	Vessel disabled by shipping a heavy sea.	....	Total, 2,700 Washed overboard and drowned.
Mar. 2	Reliance..... (American)	1	Gloucester, Mass., U.S.A. Schr., wood, sail.	83	Gloucester to Fishing Banks.	Indian Point, Little Harbour, 10 miles from Lockport, N.S.	Stranded, error in judgment.	....	Total loss, 12,000 <i>Penelope</i> .
Apr. 25	Reporter..... (85,588)	19	St. John, N.B. Schr., wood, sail.	121	St. John, N.B., to Salem.	Musquash Harbour, St. John Co., N.B.	Stranded.....	....	Partial loss, 150
Mar. 29	Richard B..... (73,028)	22	Amherst, M.I. Schr., wood, sail.	32	Magdalen Isds., Sealing voyage.	Fox River, near St. Peters, P.E.I., Gulf of St. Lawrence.	Stranded and became a total wreck during heavy storm.	....	Total loss, 1,200
.....	Roraima..... (87,678)	16	Quebec, P.Q. Schr., steel, steam.	1,764	New York, U.S.A., to Dominica Demerara, W.I.	St. Pierre Martinique, West Indies.	Overwhelmed in volcanic eruption.	40	Total loss. 10 rescued by <i>Suchet</i> .
July 1901.	4 Susan and Annie (73,110)	25	Parrsboro, N.S. Schr., wood, sail.	79	Digby, N.S., to Joggins, N.S.	Western Head, Enrage, N.S.	Stranded.....	....	Total loss, 1,000
Aug. 21	St. Maurice..... (103,723)	5	Parrsboro, N.S. Schr., wood, sail.	272	Parrsboro, N.S.	Off Quaco, N.B.	In collision.....	....	Partial loss, 100
Dec. 11	Shenandoah.....	10	Gloucester, Mass., U.S.A. Schr., wood, sail.	77	Halifax, N.S., to Black River, Nfld.	Off Canso, N.S.	Stranded.....	....	Partial loss, 500
Sept. 1902.	3 Sierra..... (100,101)	10	Parrsboro, N.S. Schr., wood, sail.	124	Apple River, N.S., to New, York, U.S.A.	Shovel Shoals, Chatham, Mass., U.S.A.	Captain went on wrong side of buoy and vessel stranded.	....	Partial loss, 850
Dec. 3	Selina..... (100,088)	9	St. John, N.B. Schr., wood, sail.	59	Point Wolf, Albert Co., N.B., to St. John, N.B.	Off Cape Spence, N.B., Bay of Fundy.	Rigging lost and damaged in gales.	....	Partial loss, Cargo, 400 500
.....	Susan..... (83,090)	48	Port Hawkesbury, N.S. Schr., wood, sail.	15	River Inhabitants to Arichat, C.B.	Near Arichat, C.B.	Vessel wrecked in a gale.	....	Total loss.

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels in Canadian Waters, &c.—Continued.

Date of Casualty.	Name of Ship.	Age of Ship.	Port of Registry.	How Rigged. — Iron or Wood. — Steam or Sail.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Cause and Nature of Casualty.	Lives lost.	Remarks.	%
1901.		Yr's									
Dec. 14	Sandalphan. ... (90,654)	15	Digby, N.S.	Schr., wood, sail.	90	St. John, N. B., Lepreaux, N.B.	Near head of Lepreaux Harbour, N.B.	Caught on bank, strain- ed and filled and broke stern post.	...	Total loss,	700
Apr. 22	Savona. (90,480)	10	Matliand, N.S.	Ship, wood, sail	1,891	Sidney, N. S. W., to Rotterdam, Holland.	South Atlantic, Lat. 4° 4' S., Long. 52° W.	Vessel struck by a heavy sea, smashing in poop deck, gutting cabin, and master, steward and two seamen killed.	4	Partial loss, 15,000	
Dec. 26	Santa Clara.... (115,437)	25	San Francisco, Cal., U.S.A.	Ship, wood, sail	1,535	San Francisco, U.S.A., to Ladysmith, B.C.	N. W. end of Trial Island, B.C.	Vessel drifted in a gale ... and stranded.	...	Extent of damage not reported.	
Jan. 2	Southern Cross.. (85,544)	19	Parrsboro, N.S.	Schr., wood, sail.	99	Parrsboro, N.S., to Boston, Mass., U.S.A	St. John Harbour, N.B	Vessel driven out of St. ... John by a gale and was damaged, and is now full of water.	...	Partial loss, 1,500	
Dec. 25	Seattle..... (90,519)	14	" "	" "	56	Little Salmon River to St. John, N.B.	Little Salmon River, N.B.	Stranded.....	...	Total loss,	700
Nov. 10	Sierra..... (100,101)	10	" "	" "	124	Sydney, C.B., to Wind- sor, N.S.	Off coast of N.S., At- lantic Ocean.	Damaged in gale, leaking badly; condemned.	...	Total loss,	2,500
1902.											
Feb. 6	Sirocco..... (160,059)	11	St. John, N.B.	" "	298	Spring Lands, Br. Gui- ana, to New York, U.S.A.	Gulf Stream, 80-miles off Cape Hatteras, N. Atlantic.	Vessel hove to; lost fore ... and main sails and chain plates in gale.	...	Loss,	100
.....	Sarah..... (59,392)	St. Andrews, N.B.	" "	15	Lubec, Me., U.S.A.	Total,	300

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Date	Ship	Tonnage	Material	Nationality	Origin	Destination	Cause	Loss	Remarks
June	3 Shinano Maru	.....	Steel, steam	Japanese	Seattle, Wash., U.S.A., to Victoria, B.C.	Victoria Harbour, B.C.	Collided with <i>Empress of Japan</i>.	.....	Trifling.
"	5 Sam Slick (107,301)	90	Schr., wood, sail.	Windsor, N.S.	Cheverie, N.S., to Boston, Mass., U.S.A.	Stonington, Me., U.S.A.	Struck on flat ledge	.....
"	6 Sahara (106,062)	2,665	Schooner, iron, steam.	Glasgow, Scot.	Rangoon, Sydney, C.B. to Montreal, P.Q.	Bicquette Island, St. Lawrence.	Had no pilot on board	..	
.....	Two Sisters	8	Schr., wood, sail.	Sydney, N.S.	Glace Bay, N.S.	.....	The vessel was beached and condemned.	.....
1900.									
Oct. 11	Three Brothers (59,495)	23	"	Halifax, N.S.	Pictou, N.S., to Kelly's Cove, N.S.	Harbour of Port Felix, N.S.	Broke loose from moorings and went adrift.	.....	Total loss, 225
1901.									
Aug. 9	Two Sisters (92,749)	86	"	Sackville, N.B.	Sackville and St. John, N.B., to Salem, Mass. U.S.A.	Off Grand Manan, Charlotte Co., N.B., Bay of Fundy.	Vessel damaged in a squall.	.....	Partial loss, 300
.....	Three Links	31	"	"	St. John to Sackville, N.B.	Squaws Cap	.....	.....	Total loss.
1898.									
Nov. 22	Two Brothers (100,898)	94	Schr., wood, sail.	Weymouth, N.S.	Meteghan, N.S., to Portland, Me., U.S.A.	Little Duck Island, Mount Desert, U.S.A.	Vessel stranded in a gale.	.....	Total loss.
1901.									
Dec. 31	Thistle (100,100)	123	"	St. John, N.B.	New York, U.S.A., to St. John, N.B.	Off Cape Cod, Mass., U.S.A.	Vessel encountered a gale and sustained damage to her sails and rigging.	.....	Partial loss, 400
1902.									
Dec. 25	Tiber (65,203)	1,134	Schr., iron, steam.	Montreal, P.Q.	Louisburg, C.B., to Halifax, N.S.	Off Canso, N.S., North Atlantic.	Foundered with all hands.	21	Total loss.
Mar. 25	Trusty (107,118)	33	Sloop, wood, steam.	Lunenburg, N.S.	Not on service	Bridgewater Harbour, N.S.	Accident while lying at wharf.	.....	Partial loss, 1,500
May 28	Thistle (92,346)	114	Schr., wood, sail.	Quebec, P.Q.	North Sydney, N.S., to Quebec, P.Q.	St. Paul's Island, North Atlantic.	Struck in a fog	.....	Total loss, 3,500
1901.									
Oct. 10	Urania	1,580	Schr., iron, steam.	Norwegian	St. Thomas to London, Eng.	Isle aux Morts, River St. Lawrence.	Ignorance on part of pilot; vessel stranded; very serious casualty.	.....	Very serious casualty.
1902.									
Feb. 11	Umbrina (94,634)	99	Schr., wood, sail.	Shelburne, N.S.	Victoria, B.C., sealing cruise.	Lat. 46° 35' N., Long. 126° 25' W., North Pacific.	Vessel damaged by shipping a heavy sea while hove to in a heavy gale.	.....	Partial loss, 800
1901.									
Nov. 23	Violet N (94,726)	32	"	Digby, N.S.	Digby, N.S., to Westport, N.S.	Midway Digby Gut, Bay of Fundy, N.S.	Damage sustained by main chain plates.	Damage, 100

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STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels in Canadian Waters, &c—*Concluded.*

Date of Casualty.	Name of Ship.	Age of Ship.	Port of Registry.	How Rigged. — Iron or Wood. — Steam or Sail.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Cause and Nature of Casualty.	Lives lost.	Remarks.
1901.		Y'rs								\$
Dec. 17 1902.	Viola. (97,186)	10	Windsor, N.S.	Schr., wood, sail.	124	New York, U.S.A., to St. John, N.B.	West side Vineyard Haven Harb'r, Mass. U.S.A.	Vessel damaged in a gale and foundered.	....	Partial loss, 800
June 6 1900.	Victoria. (87,093)	19	Victoria, B.C.	Schr., iron, steam.	1,506	San Francisco, U.S.A., to Unalaska.	Tricomali Channel, B.C.	Struck on uncharted rock	....	" 10,000
Oct. 10	Wawbeek.	17	St. John, N.B.	Schr., wood, sail.	100	Salem, Mass., U.S.A., to Hillsboro', N.B.	4 miles from Thatchers Isld, near Cape Ann, Boston, Mass., U.S.A.	Encountered a heavy storm and capsized.	1	Total loss.
"	W. K. Smith.	9	Digby, N.S.	"	98	Portland, Me., U.S.A., to Rockland, to Yar- mouth, N.S.	50 miles south of Cape Sable, N.S.	Caught fire; no particu- lars.	....	" 2,500
1901.										
June 26	Walleda.	9	Parrsboro', N.S.	"	249	Sekondi, Africa, to Acera, Africa.	Near Acera, west coast of Africa.	Vessel stranded. ....	....	" 6,000
Oct. 25	Will Carleton. (94,430)	12	Barrington, N.S.	"	88	Port Hood, C.B., to Port La Tour, N.S.	Liscomb Light, Black River Ledge, south shore, N.S.	Vessel struck on ledge and filled with water in 20 minutes; casualty attributed to rough weather and error in judgment.	....	" 1,600 Cargo, 456
Dec. 4	Westfield. (85,574)	18	St. John, N.B.	"	80	Point Wolf, St. John Co., N.B., to St. John, N.B.	Wreck first seen 12 m. north of Digby Gut, N.S., Bay of Fundy.	Vessel driven from her anchorage near Quaco, N.B., in a terrible gale; first seen near Digby Gut, N.S.; master and crew never heard of.	4	Total loss, 1,000
Nov. 4	William G. Gordon. (107,280)	1½	Liverpool, N.S.	Schr., iron, sail.	99	Liverpool, N.S., to Bar- badoes, W.I.	Liverpool River, N.S.	Vessel badly damaged by fire while loading.	Partial loss, 3,000 Cargo, 50

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Aug. 21	Willie..... (74,317)	25	Yarmouth, N.S.	Schr., wood, sail.	22	Westport to Halifax, N.S.	Gannet Rock Ledges, near Yarmouth, N.S.	Stranded..	Total loss, Cargo, Loss,	200 800 30
.....	Yosemite..... (83,455)	40	Victoria, B.C.	Wood, steam..	1,055	Victoria, B.C., to Van- couver, B.C.	West Bay, off Berens Island, B.C.	In collision with the str. <i>Majestic</i>.	.....	.....	.....
May 13	Zanzibar..... (98,192)	11	London, Eng..	Schr., iron, steam.	1,919	Sydney, C.B., to Mont- real, P.Q.	Matane, Gulf of St. Lawrence.	Stranded in fog.....	.....	Trifling casualty.	.....

